

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064238.D
 Acq On : 15 Nov 2019 20:22
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 12:23:37 PM

Quant Time: Nov 18 00:55:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	584072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	862157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	377578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	256575	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
35) Dibromofluoromethane	7.92	113	258425	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	
50) Toluene-d8	10.34	98	930066	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.64	95	323293	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	233247	48.151	ug/l	97
3) Chloromethane	2.21	50	284748	54.802	ug/l	99
4) Vinyl Chloride	2.35	62	328145	59.057	ug/l	98
5) Bromomethane	2.77	94	233904	66.666	ug/l	97
6) Chloroethane	2.92	64	230141	64.821	ug/l	99
7) Trichlorofluoromethane	3.27	101	560569	62.226	ug/l	98
8) Diethyl Ether	3.70	74	148532	59.965	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	262132	50.910	ug/l	98
10) Methyl Iodide	4.29	142	310095	52.647	ug/l	99
11) Tert butyl alcohol	5.25	59	96595	287.902	ug/l	97
12) 1,1-Dichloroethene	4.06	96	257141	52.394	ug/l	96
13) Acrolein	3.93	56	91926	323.870	ug/l	99
14) Allyl chloride	4.71	41	440183	50.727	ug/l	97
15) Acrylonitrile	5.43	53	315258	298.547	ug/l	99
16) Acetone	4.17	43	235628	207.057	ug/l	99
17) Carbon Disulfide	4.40	76	765214	50.066	ug/l	99
18) Methyl Acetate	4.73	43	181331	57.051	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	681066	58.130	ug/l	96
20) Methylene Chloride	4.96	84	303148	52.737	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	297131	53.437	ug/l	99
22) Diisopropyl ether	6.37	45	904904	56.204	ug/l	98
23) Vinyl Acetate	6.31	43	2681719	298.807	ug/l	99
24) 1,1-Dichloroethane	6.27	63	520130	55.639	ug/l	99
25) 2-Butanone	7.23	43	397560	270.409	ug/l	100
26) 2,2-Dichloropropane	7.21	77	440851	48.087	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	344653	57.799	ug/l	94
28) Bromochloromethane	7.55	49	199190	61.202	ug/l	98
29) Tetrahydrofuran	7.57	42	258783	292.961	ug/l	97
30) Chloroform	7.71	83	554566	57.994	ug/l	98
31) Cyclohexane	7.99	56	441188	46.795	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	485086	52.979	ug/l	100
36) 1,1-Dichloropropene	8.11	75	401356	50.441	ug/l	100
37) Ethyl Acetate	7.30	43	183123	54.591	ug/l	99
38) Carbon Tetrachloride	8.10	117	436212	51.234	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	488993	48.567	ug/l	97
40) Benzene	8.35	78	1156273	53.171	ug/l	99
41) Methacrylonitrile	7.53	41	107367	50.925	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	351617	53.835	ug/l	99
43) Isopropyl Acetate	8.46	43	380937	55.116	ug/l	98
44) Trichloroethene	9.11	130	344935	52.849	ug/l	98
45) 1,2-Dichloropropane	9.39	63	290448	54.873	ug/l	98
46) Dibromomethane	9.48	93	163464	57.686	ug/l	99
47) Bromodichloromethane	9.67	83	435007	56.992	ug/l	98
48) Methyl methacrylate	9.46	41	181765	53.783	ug/l	96
49) 1,4-Dioxane	9.47	88	39423	1158.400	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	923820	278.729	ug/l	99
52) Toluene	10.41	92	755207	52.813	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	414456	54.199	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	482894	54.116	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	226046	58.804	ug/l	98
56) Ethyl methacrylate	10.67	69	302096	56.179	ug/l	97
57) 1,3-Dichloropropane	10.95	76	383273	57.170	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	572549	262.850	ug/l	100
59) 2-Hexanone	10.99	43	626129	265.533	ug/l	98
60) Dibromochloromethane	11.14	129	312612	58.281	ug/l	99
61) 1,2-Dibromoethane	11.25	107	224028	58.186	ug/l	98
64) Tetrachloroethene	10.88	164	288840	48.941	ug/l	93
65) Chlorobenzene	11.67	112	830157	53.200	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	328317	55.333	ug/l	99
67) Ethyl Benzene	11.75	91	1468288	52.019	ug/l	98
68) m/p-Xylenes	11.86	106	1122443	103.747	ug/l	99
69) o-Xylene	12.18	106	527547	52.576	ug/l	99
70) Styrene	12.20	104	936486	53.467	ug/l	99
71) Bromoform	12.37	173	193682	57.357	ug/l #	98
73) Isopropylbenzene	12.48	105	1399887	50.512	ug/l	99
74) N-amyl acetate	12.30	43	342912	52.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	232906	55.772	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	152792m	50.239	ug/l	
77) Bromobenzene	12.77	156	364458	54.130	ug/l	98
78) n-propylbenzene	12.83	91	1599945	50.529	ug/l	99
79) 2-Chlorotoluene	12.91	91	901464	50.427	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1159092	50.898	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	77547	50.649	ug/l	99
82) 4-Chlorotoluene	13.01	91	970344	52.041	ug/l	100
83) tert-Butylbenzene	13.23	119	1005560	50.077	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1157541	51.486	ug/l	100
85) sec-Butylbenzene	13.41	105	1337488	49.592	ug/l	99
86) p-Isopropyltoluene	13.53	119	1288035	50.235	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	664421	53.161	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	658400	53.975	ug/l	99
89) n-Butylbenzene	13.85	91	1145970	49.471	ug/l	100
90) Hexachloroethane	14.12	117	242689	51.216	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	579371	54.768	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	40026	53.608	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	450510	55.206	ug/l	99
94) Hexachlorobutadiene	15.28	225	271036	51.421	ug/l	99
95) Naphthalene	15.41	128	756566	56.557	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	389433	56.141	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

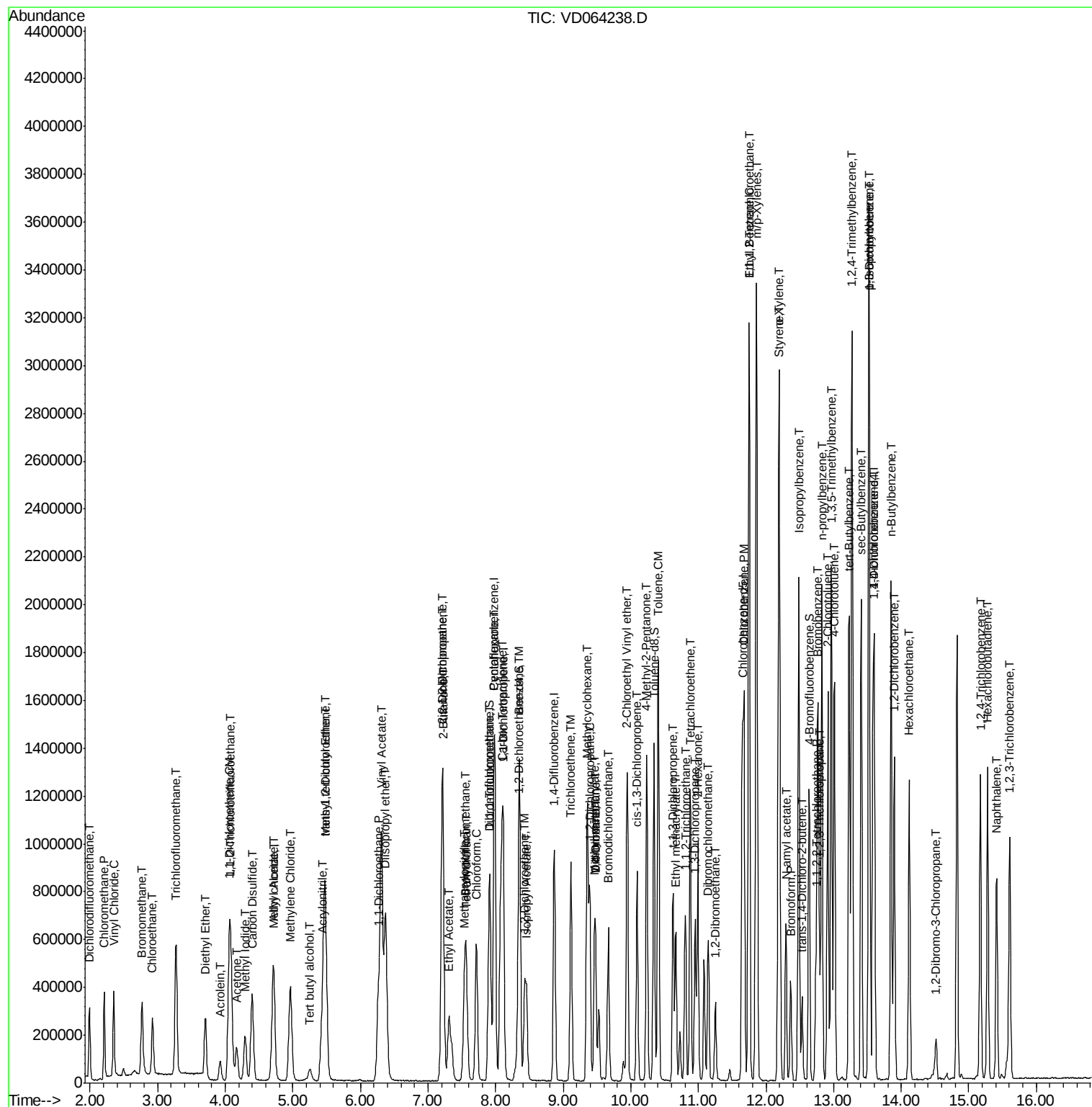
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
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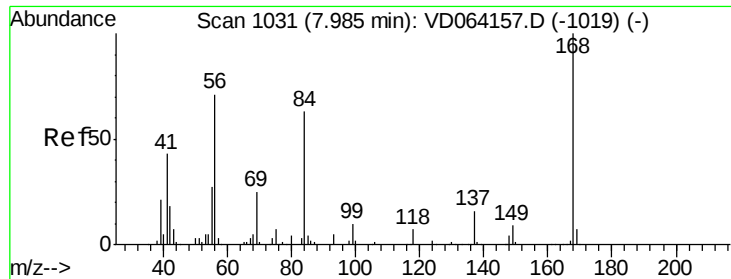
Instrument :
MSVOA_D
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Manual Integrations
APPROVED

MMDADODA
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 584072

Ion Ratio Lower Upper

168 100

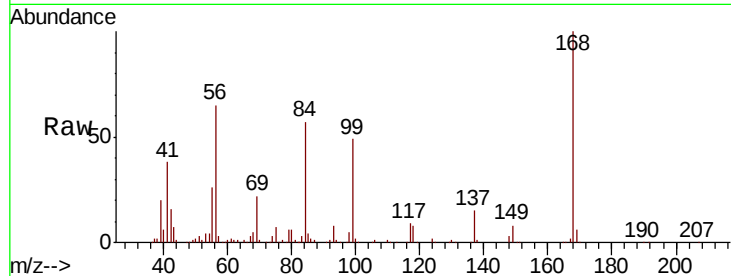
99 49.0 41.6 62.4

Manual Integrations

APPROVED

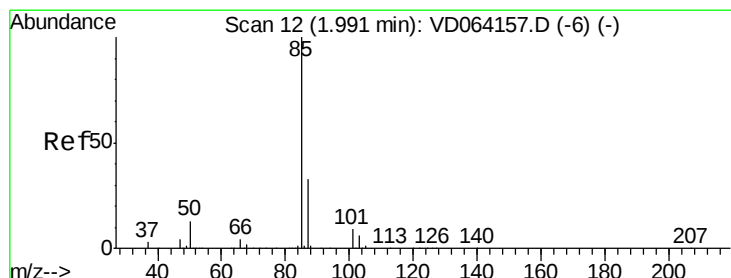
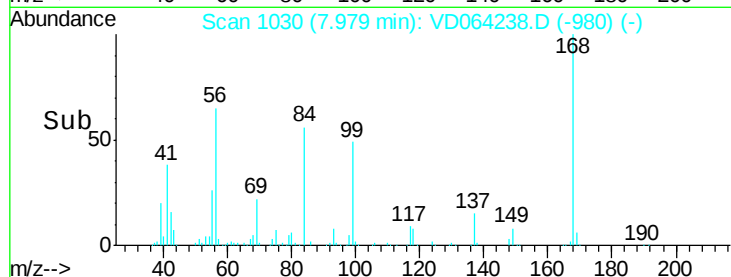
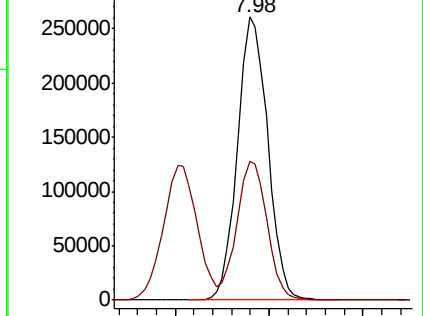
MMDADODA

11/19/2019 12:23:37 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064238.D

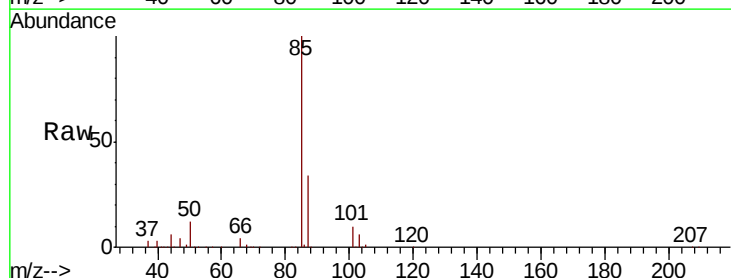
Acq: 15 Nov 2019 20:22

Tgt Ion: 85 Resp: 233247

Ion Ratio Lower Upper

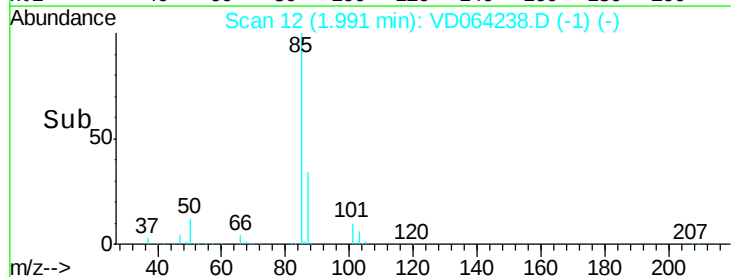
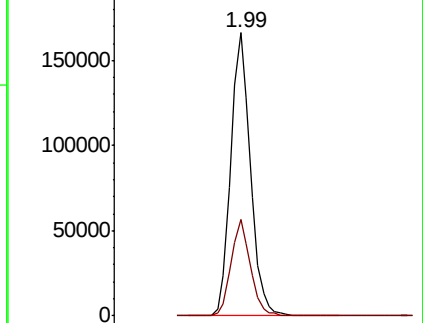
85 100

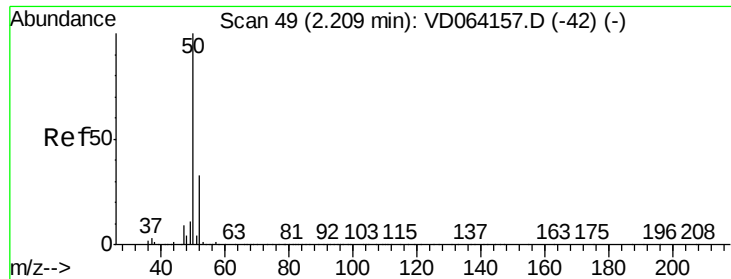
87 34.3 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 54.802 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 284748

Ion Ratio Lower Upper

50 100

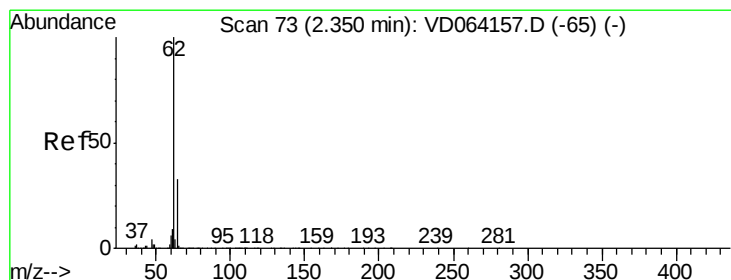
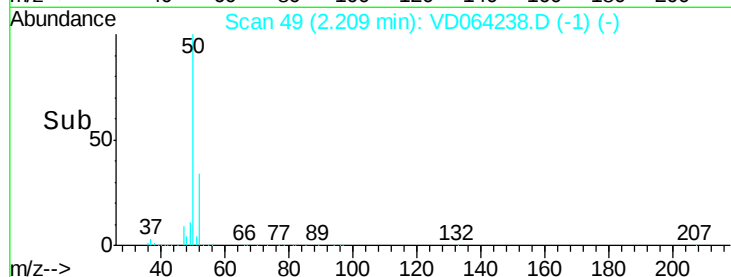
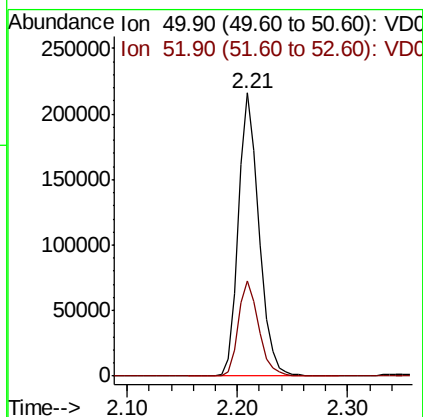
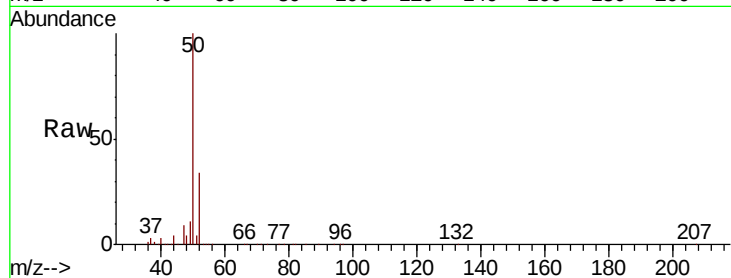
52 33.5 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 59.057 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064238.D

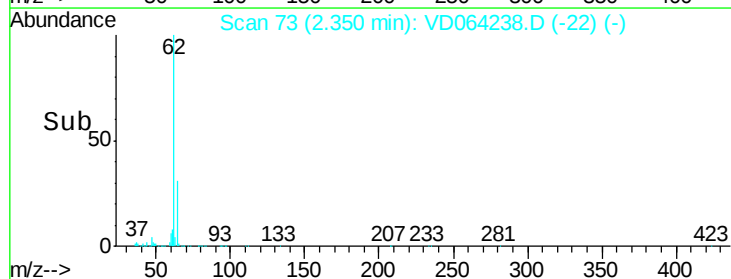
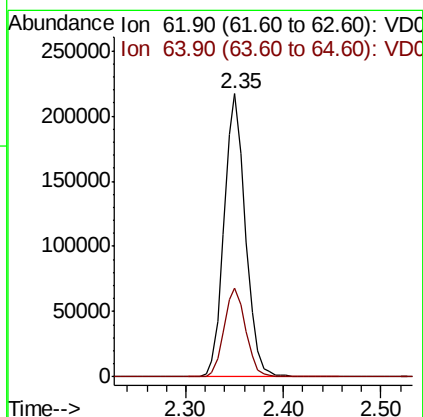
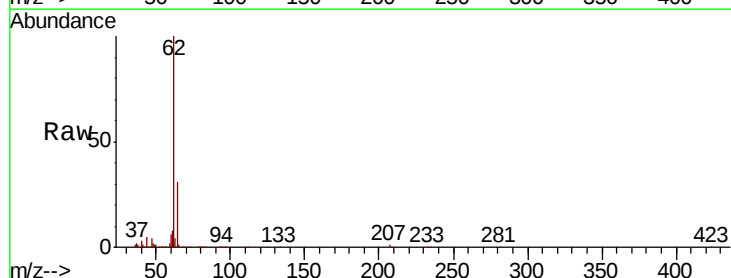
Acq: 15 Nov 2019 20:22

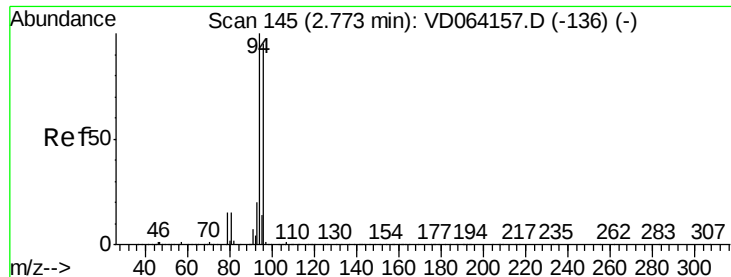
Tgt Ion: 62 Resp: 328145

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 66.666 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 233904

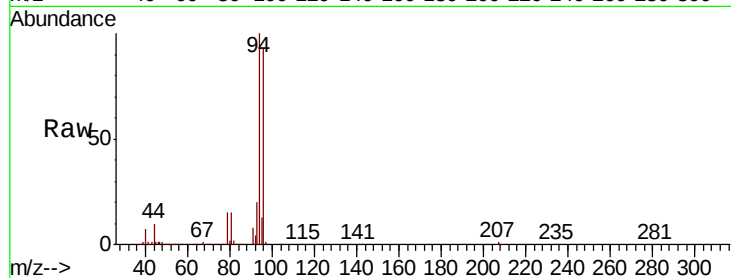
Ion Ratio Lower Upper

94 100

96 92.2 76.2 114.4

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

120000

100000

80000

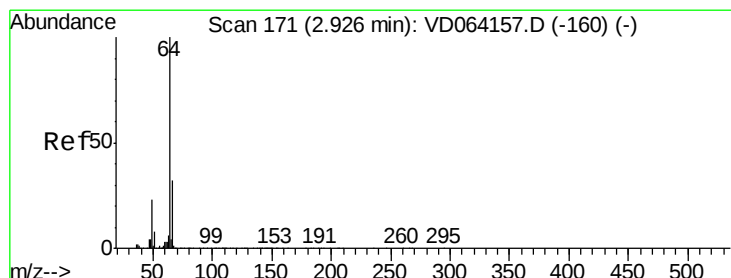
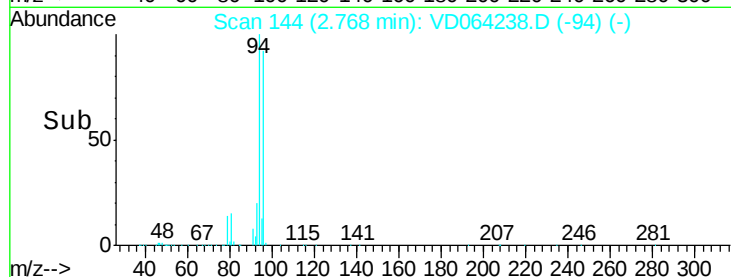
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 64.821 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064238.D

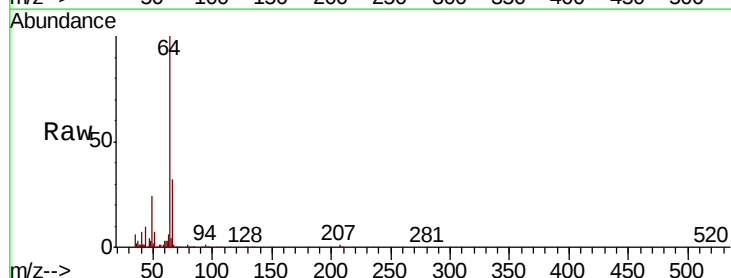
Acq: 15 Nov 2019 20:22

Tgt Ion: 64 Resp: 230141

Ion Ratio Lower Upper

64 100

66 31.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

120000

100000

80000

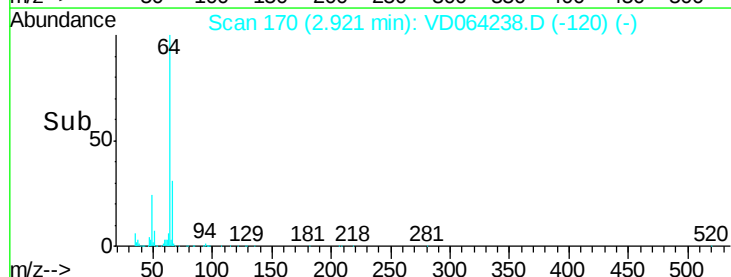
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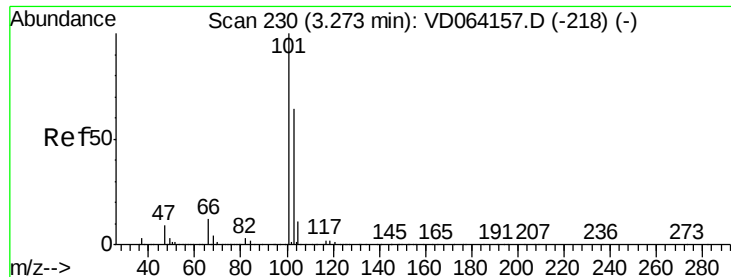
40000

20000

0

Time-->





#7

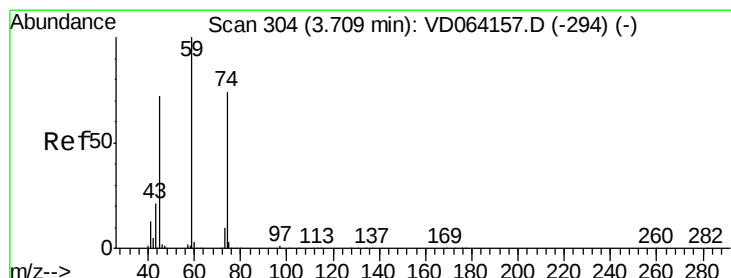
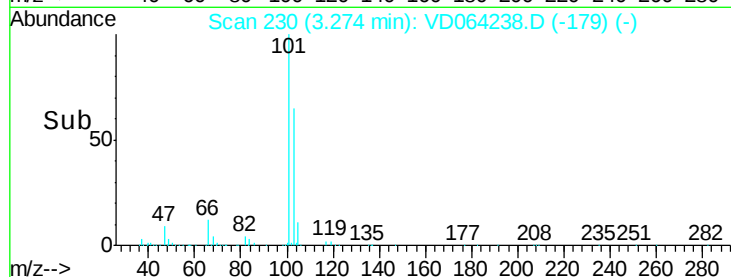
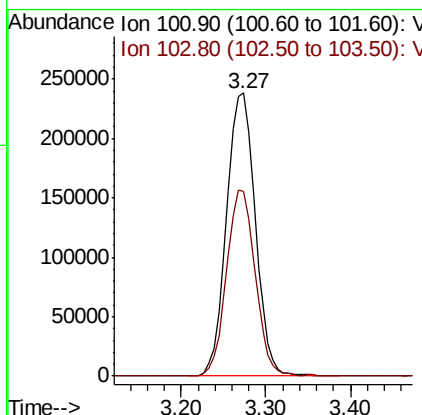
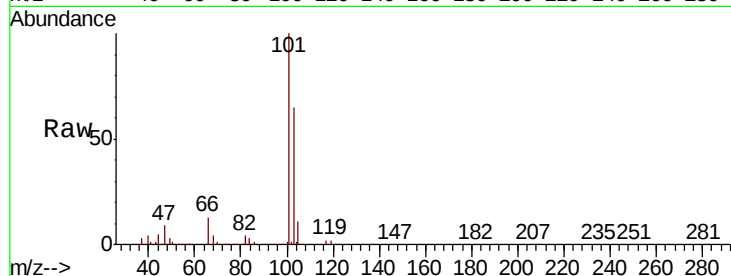
Trichlorofluoromethane
Concen: 62.226 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.8	76.2

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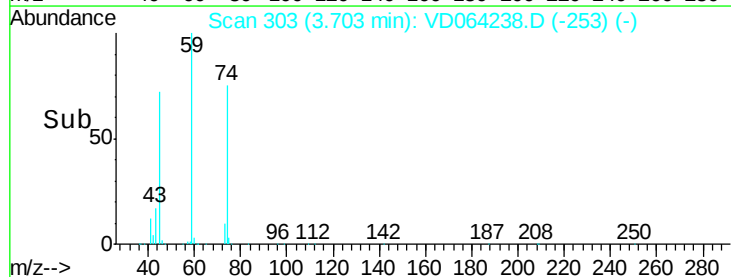
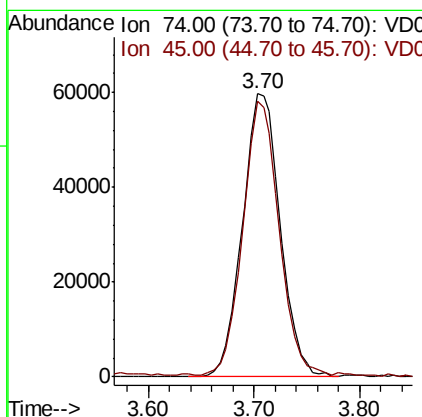
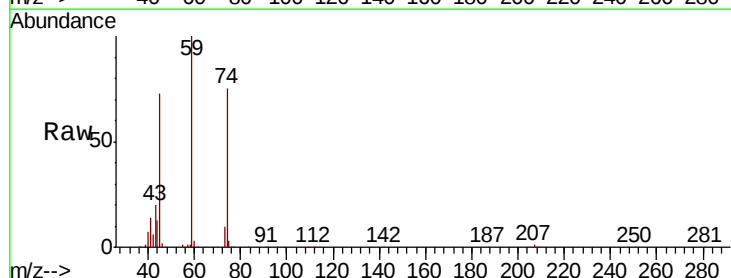
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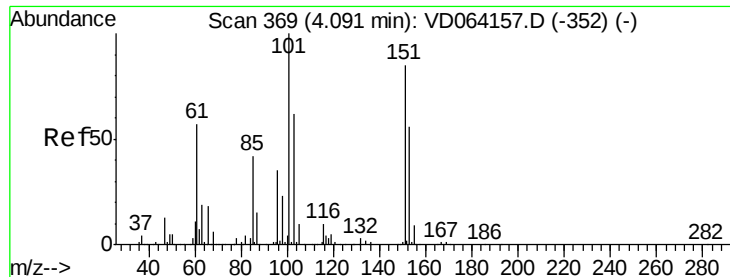


#8

Diethyl Ether
Concen: 59.965 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.2	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.910 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

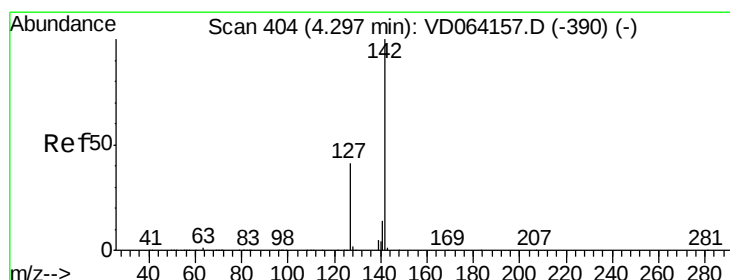
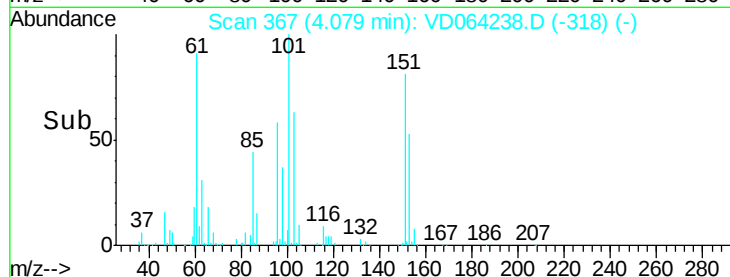
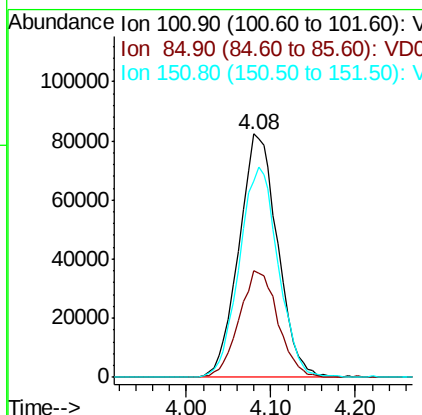
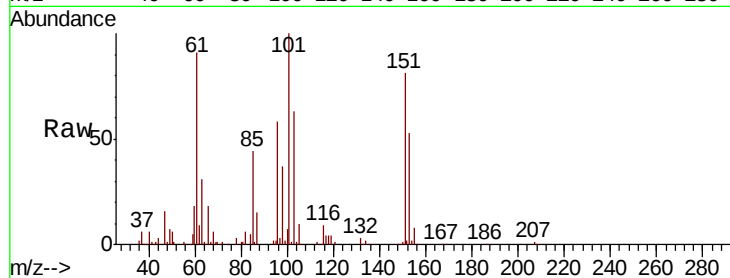
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	262132
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.4	51.6
151	87.0	68.1	102.1

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#10

Methyl Iodide

Concen: 52.647 ug/l

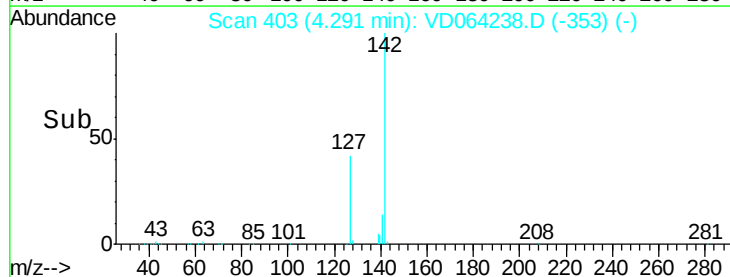
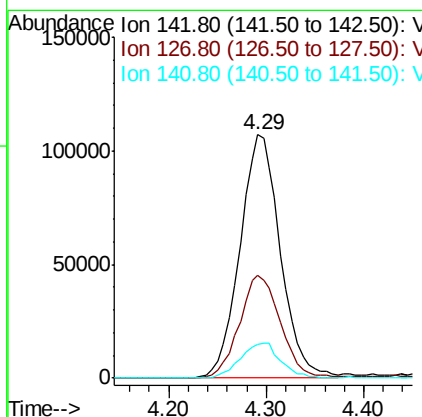
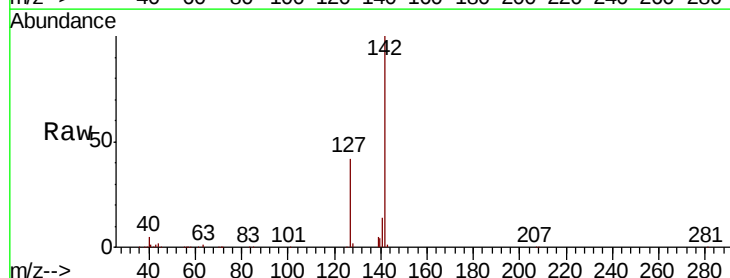
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	142	Resp:	310095
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	14.6	11.2	16.8





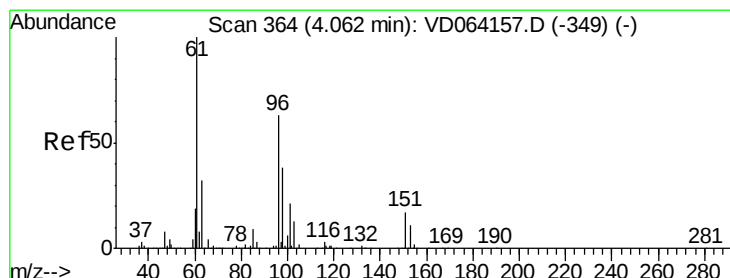
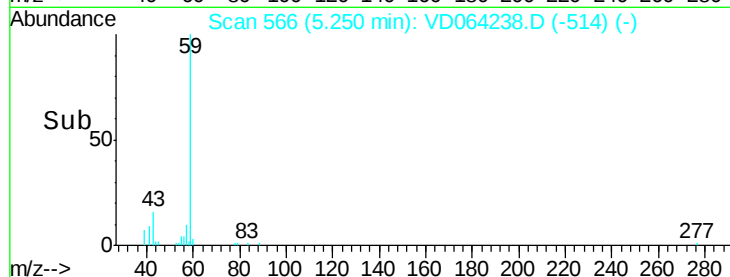
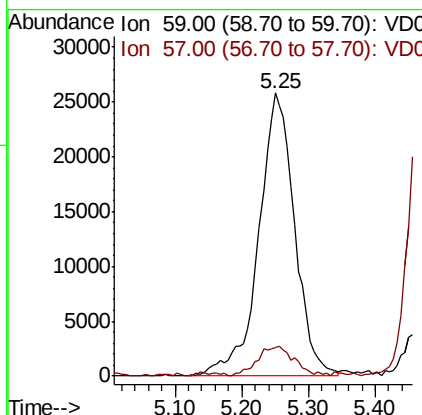
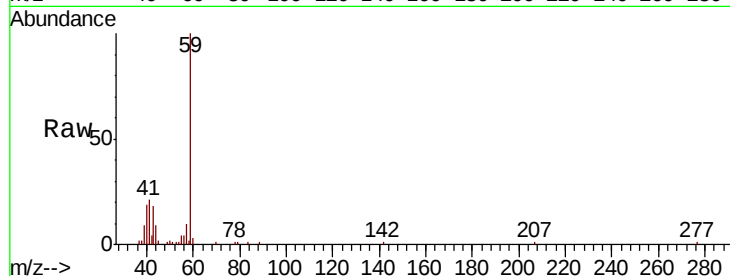
#11
Tert butyl alcohol
Concen: 287.902 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.4	14.2

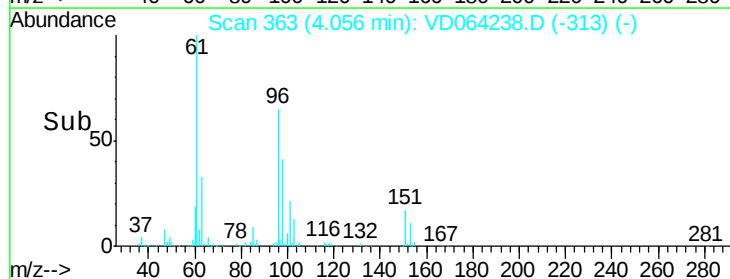
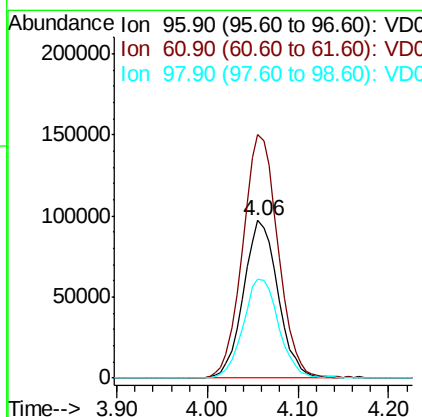
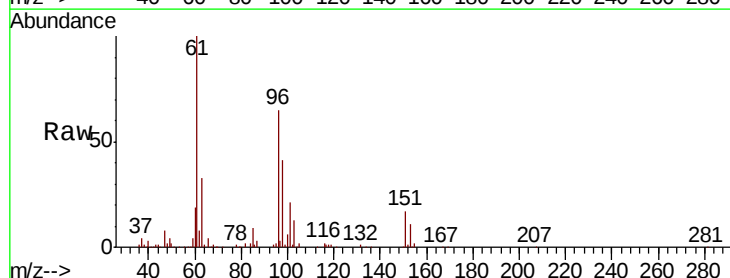
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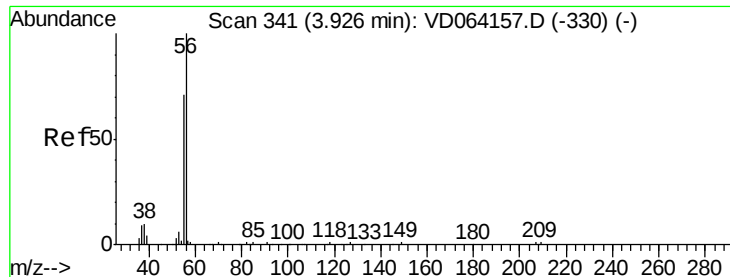
MMDADODA
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#12
1,1-Dichloroethene
Concen: 52.394 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	127.4	191.2
98	62.7	48.1	72.1





#13

Acrolein

Concen: 323.870 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 91926

Ion Ratio Lower Upper

56 100

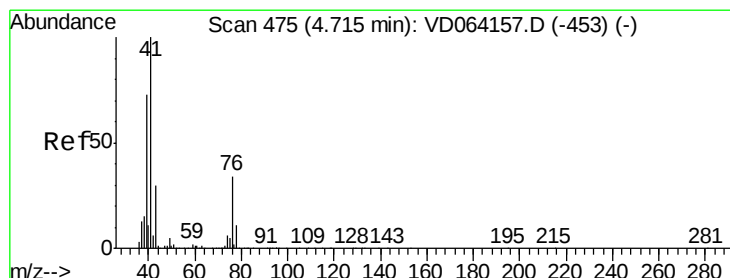
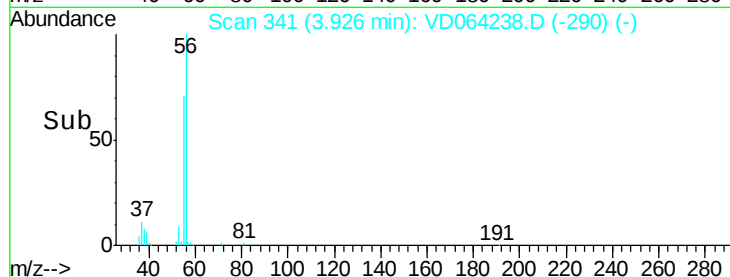
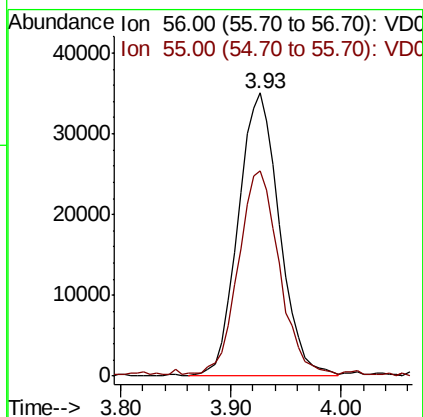
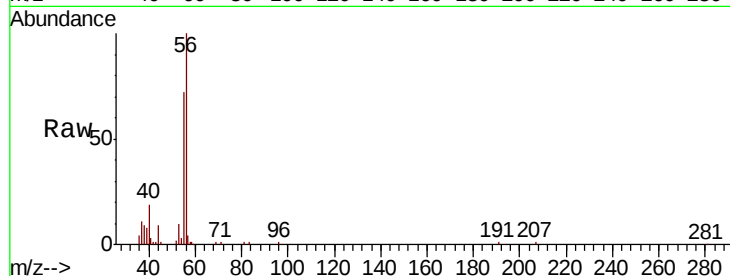
55 70.7 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 50.727 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

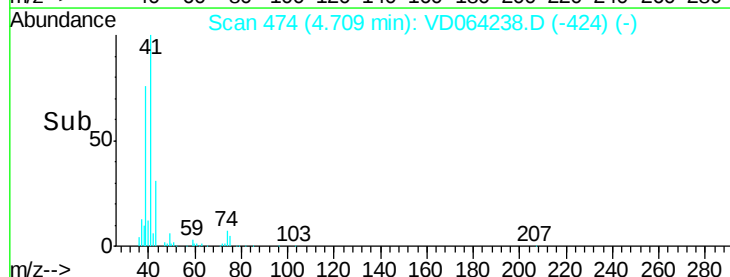
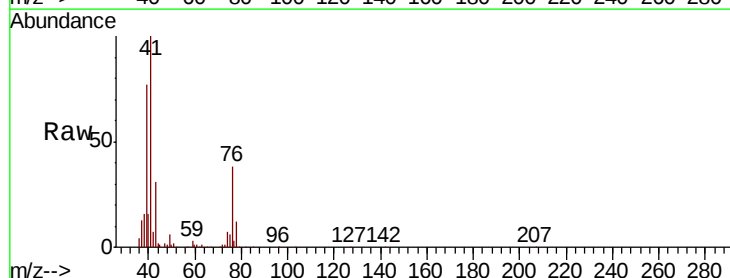
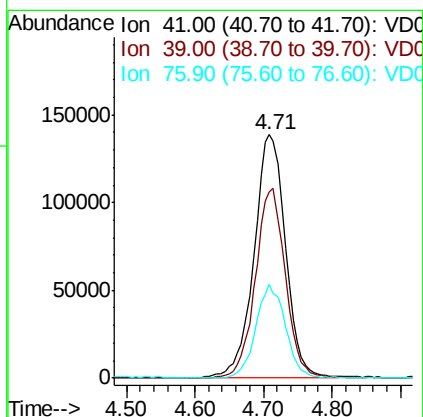
Tgt Ion: 41 Resp: 440183

Ion Ratio Lower Upper

41 100

39 74.1 57.5 86.3

76 36.3 26.8 40.2





#15

Acrylonitrile

Concen: 298.547 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

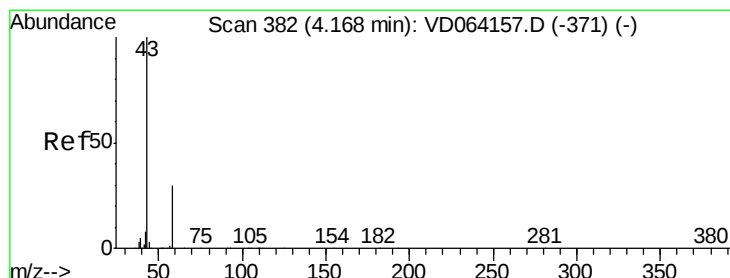
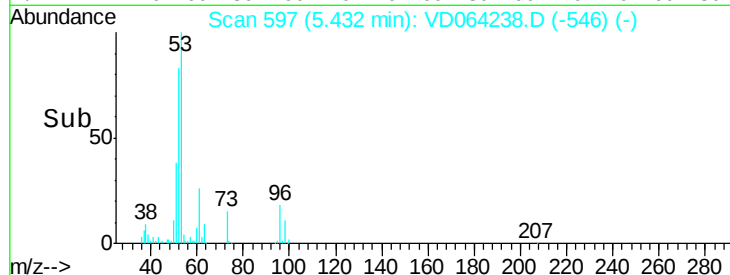
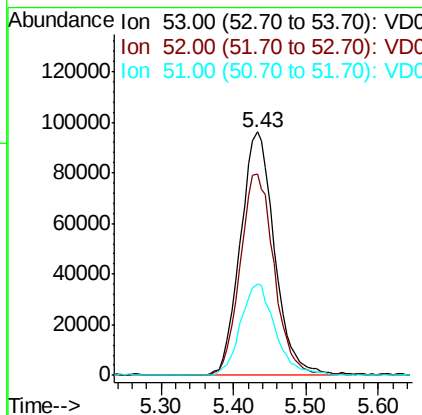
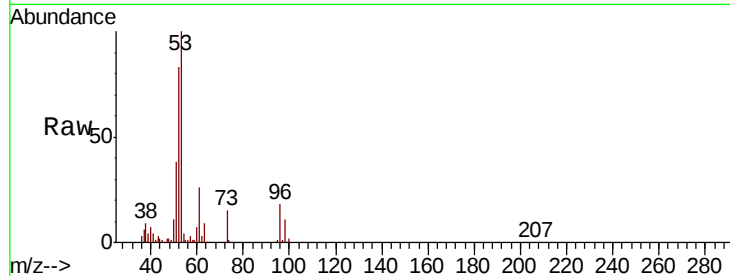
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	315258
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.7	100.1
51	38.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 207.057 ug/l

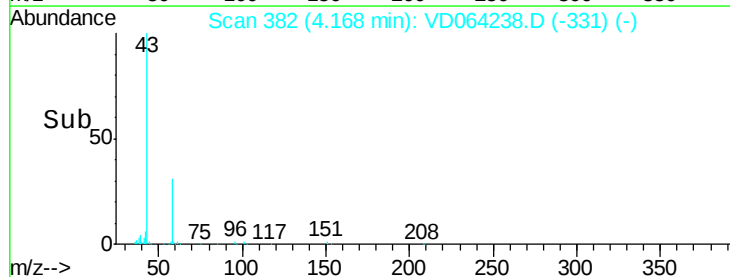
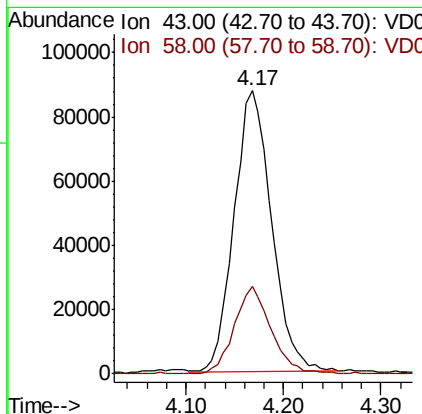
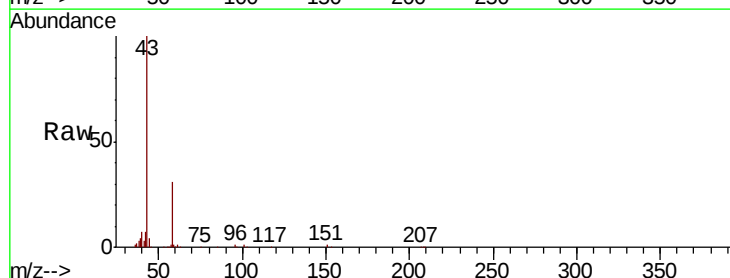
RT: 4.17 min Scan# 382

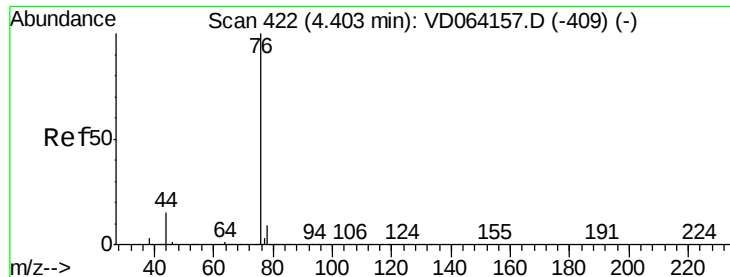
Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	43	Resp:	235628
Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.1	36.1





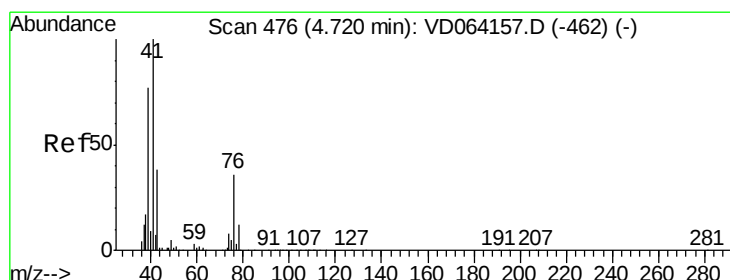
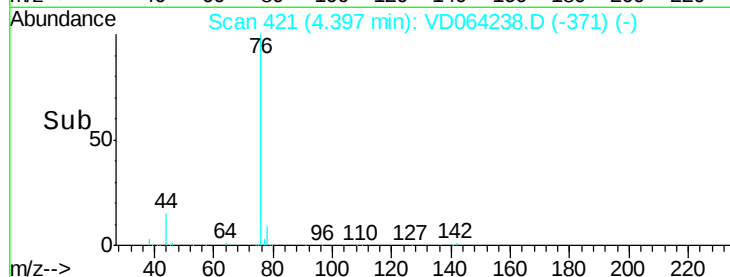
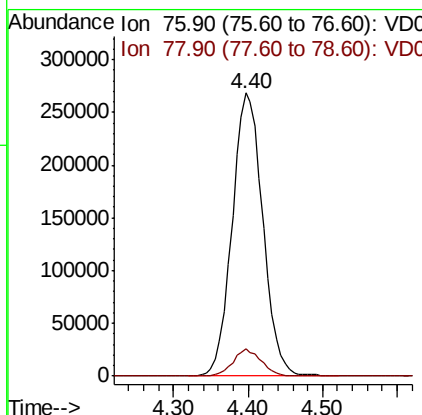
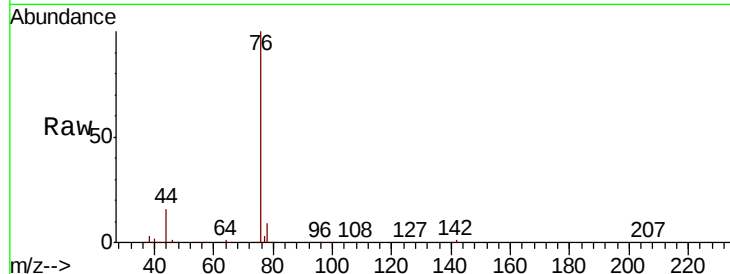
#17
Carbon Disulfide
Concen: 50.066 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.2	10.8

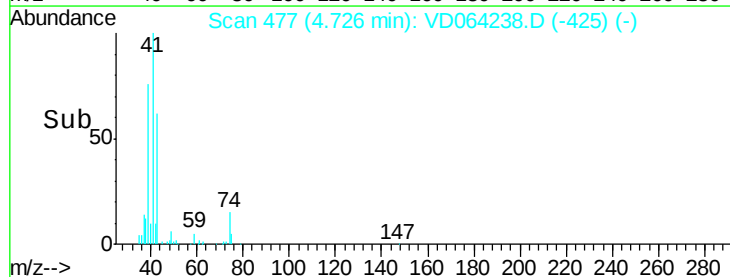
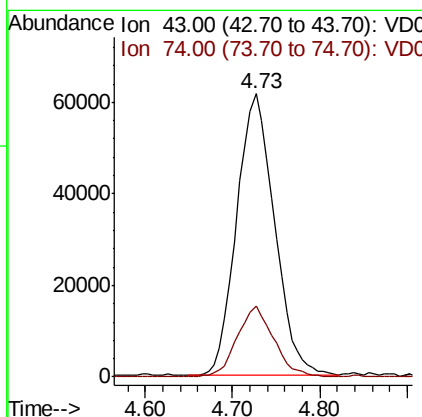
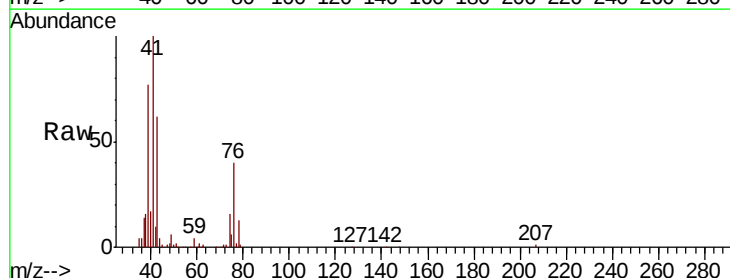
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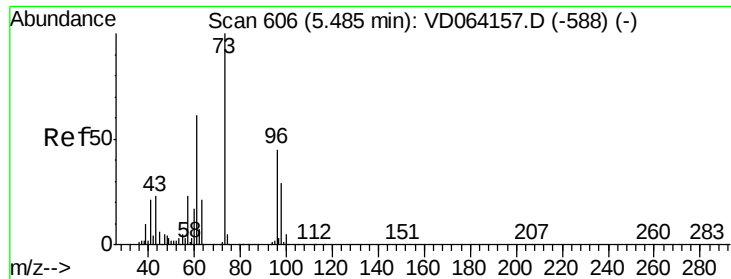
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#18
Methyl Acetate
Concen: 57.051 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	18.4	27.6





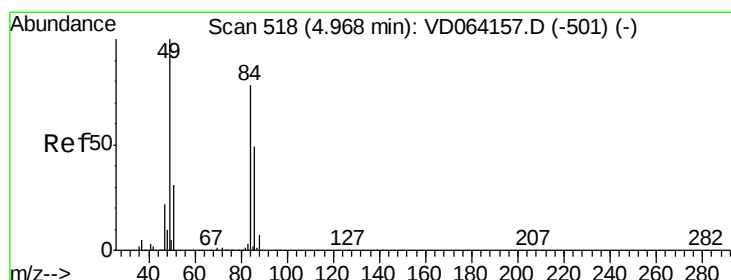
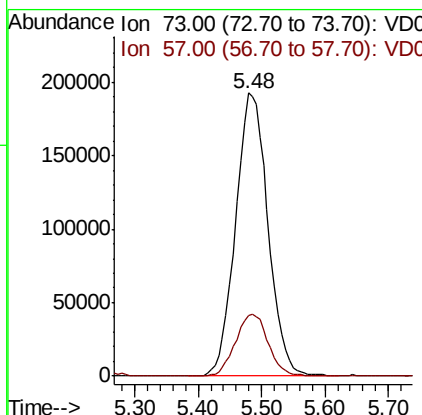
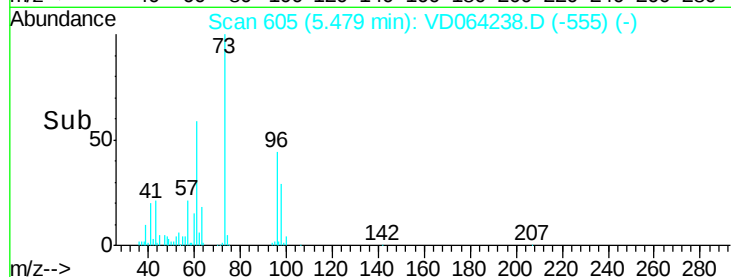
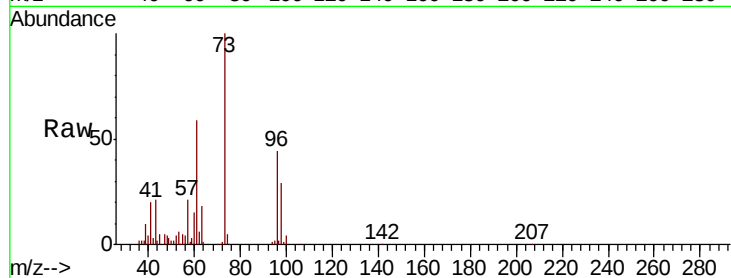
#19
Methvl tert-butvl Ether
Concen: 58.130 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 681066
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6

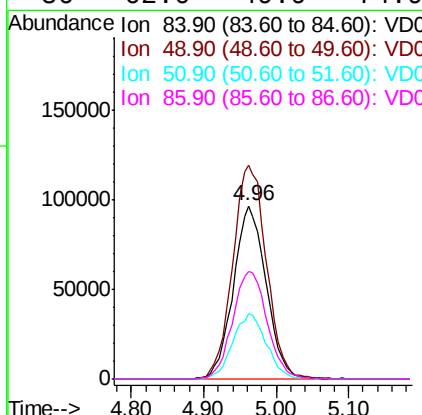
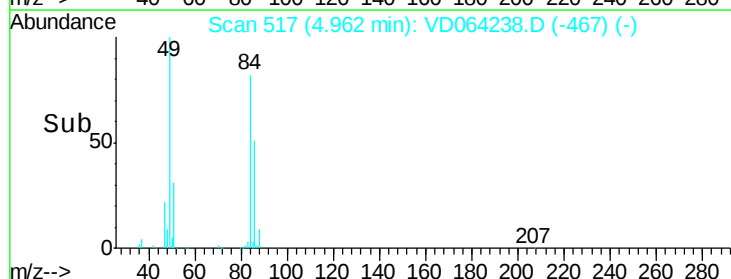
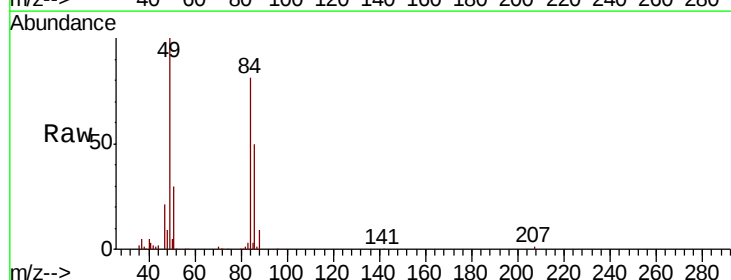
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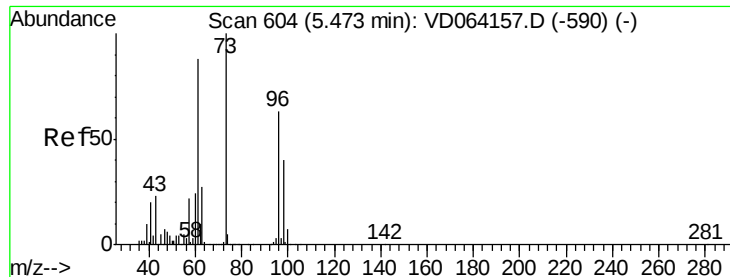
MMDADODA
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#20
Methylene Chloride
Concen: 52.737 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 84 Resp: 303148
Ion Ratio Lower Upper
84 100
49 123.2 102.1 153.1
51 37.5 32.2 48.2
86 62.0 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 53.437 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

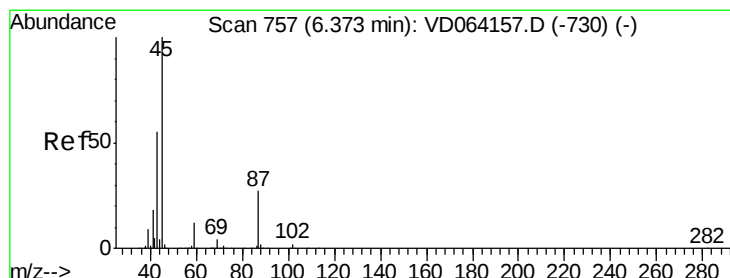
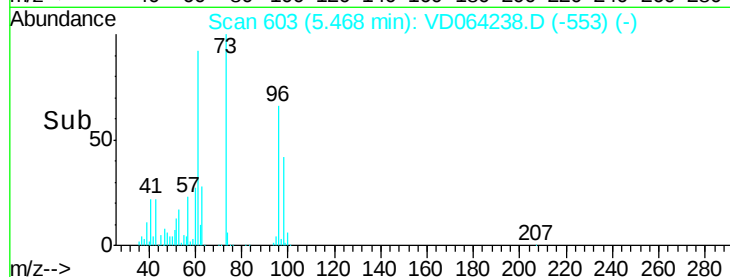
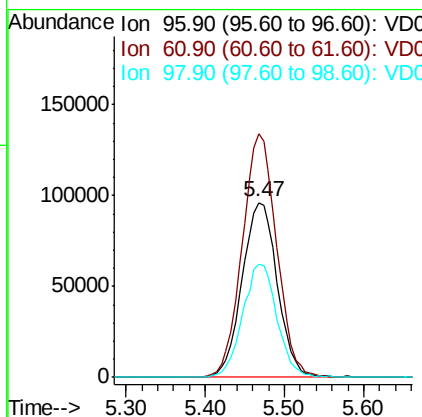
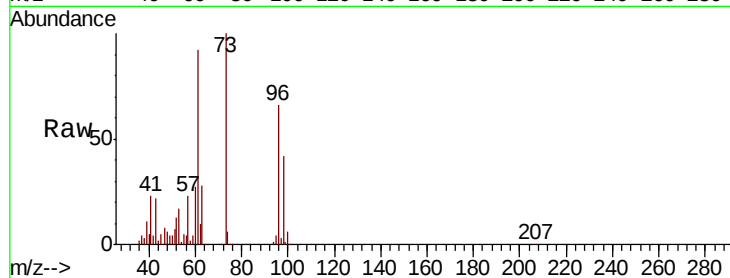
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	297131
Ion	Ratio	Lower	Upper
96	100		
61	139.0	111.8	167.6
98	64.5	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.204 ug/l

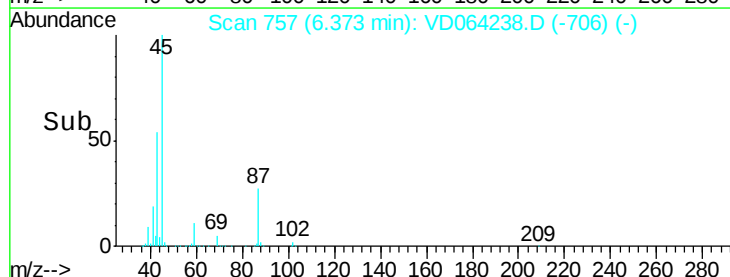
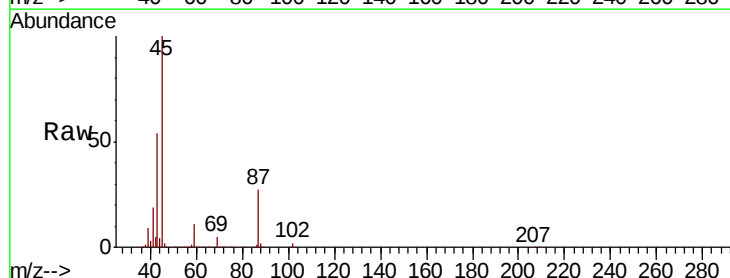
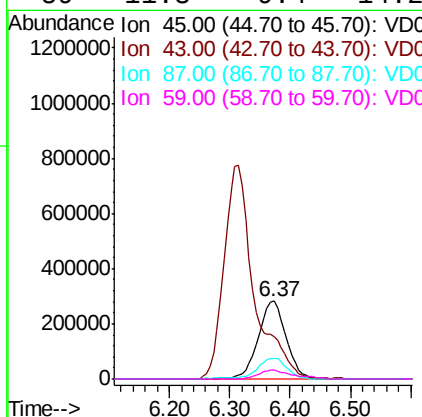
RT: 6.37 min Scan# 757

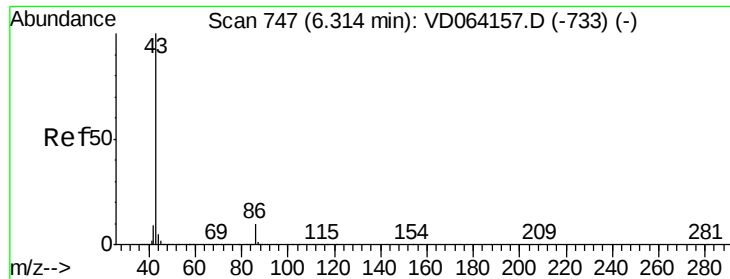
Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	45	Resp:	904904
Ion	Ratio	Lower	Upper
45	100		
43	53.6	44.4	66.6
87	27.0	21.9	32.9
59	11.3	9.4	14.2





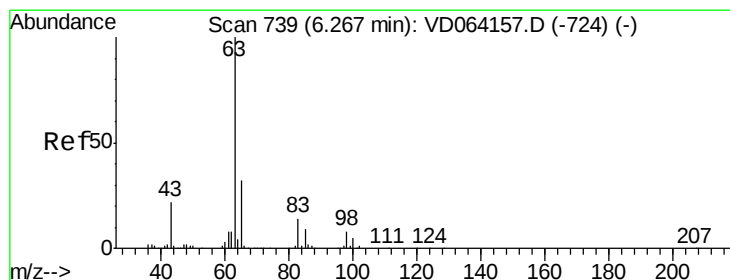
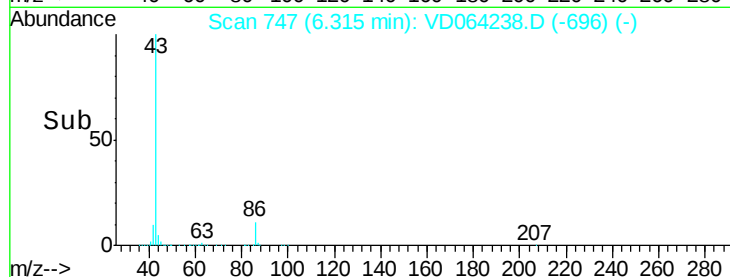
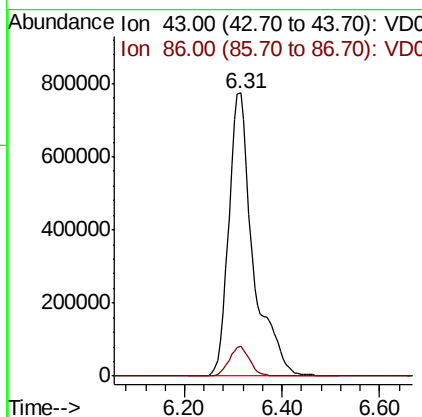
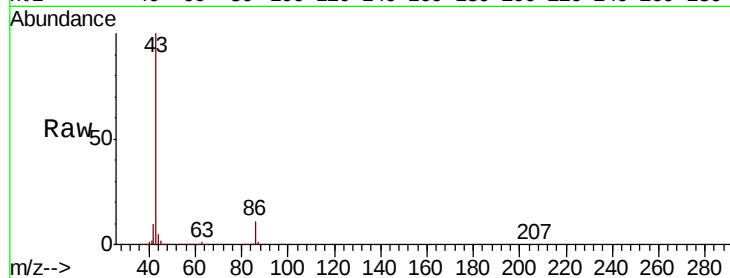
#23
 Vinyl Acetate
 Concen: 298.807 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2681719
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.2 12.2

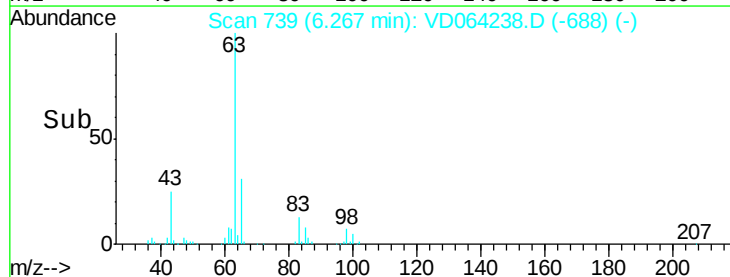
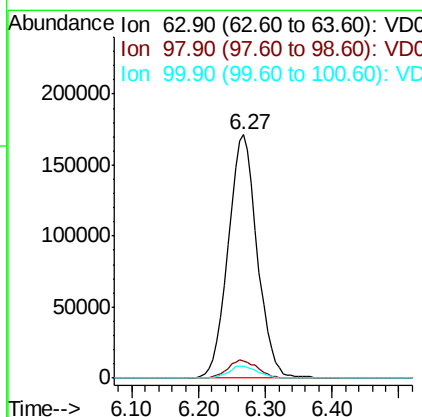
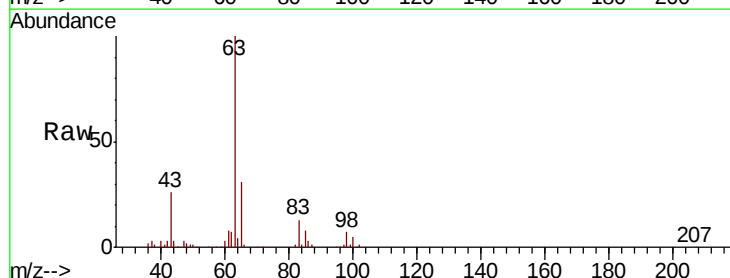
Manual Integrations
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 11/19/2019 12:23:37 PM



#24
 1,1-Dichloroethane
 Concen: 55.639 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 63 Resp: 520130
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.8 11.4
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 270.409 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 397560

Ion Ratio Lower Upper

43 100

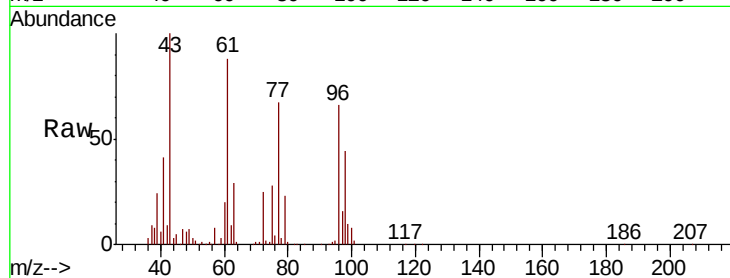
72 25.5 20.6 30.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

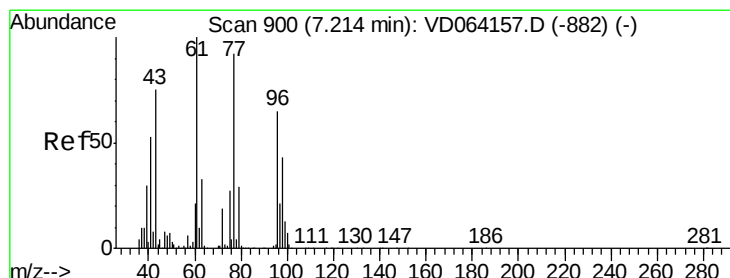
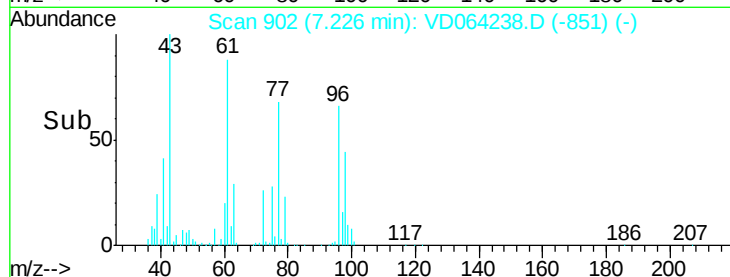
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.087 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064238.D

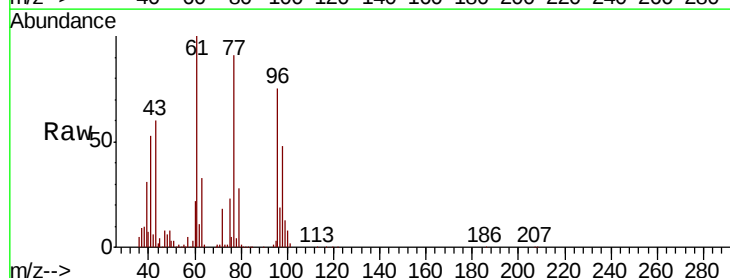
Acq: 15 Nov 2019 20:22

Tgt Ion: 77 Resp: 440851

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

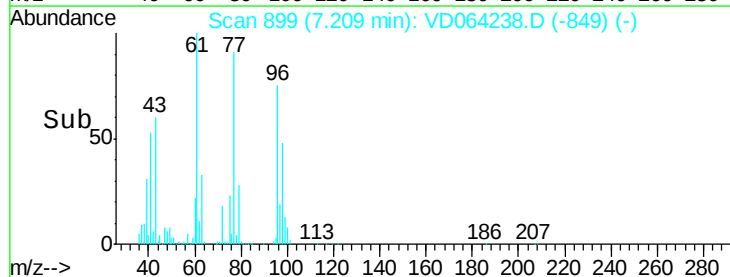
150000

100000

50000

0

Time-->





#27

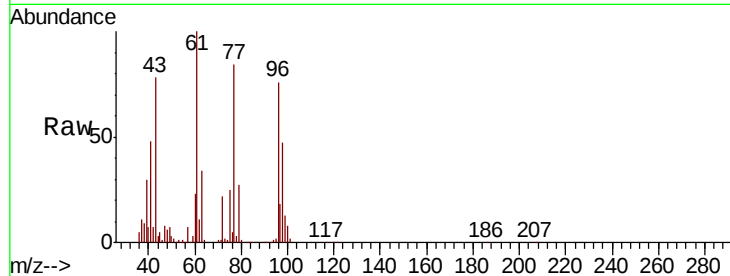
cis-1,2-Dichloroethene
Concen: 57.799 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

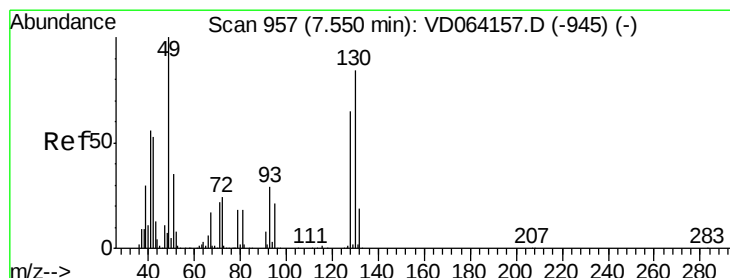
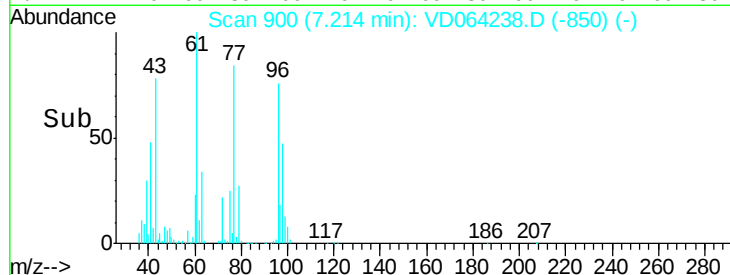
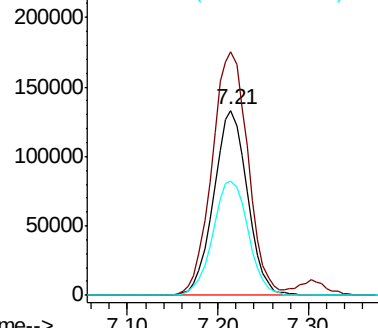
Tot Ion	Ratio	Resp	Lower	Upper
96	100	344653		
61	140.4	0.0	301.4	
98	64.9	0.0	133.2	

Manual Integrations
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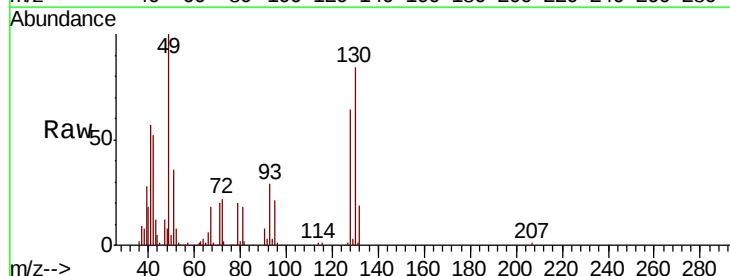
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



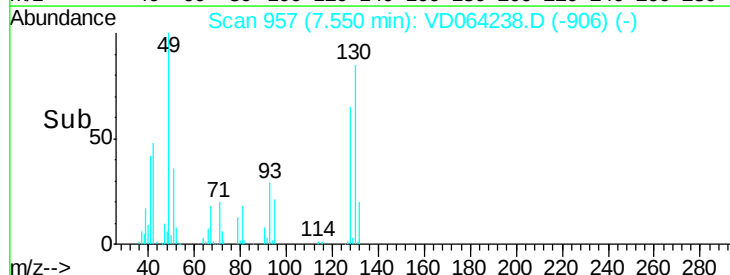
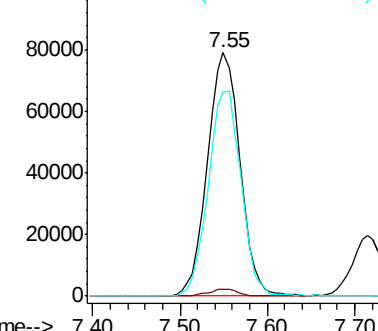
#28

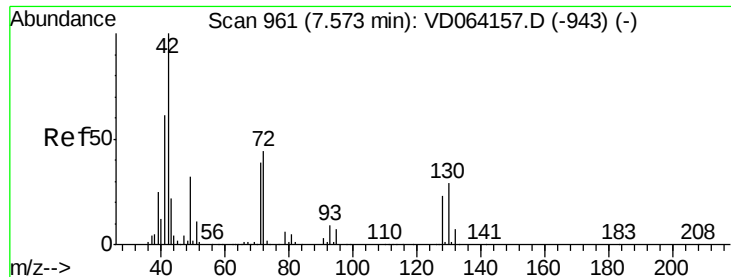
Bromochloromethane
Concen: 61.202 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	199190		
129	2.3	0.0	4.4	
130	84.9	66.8	100.2	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





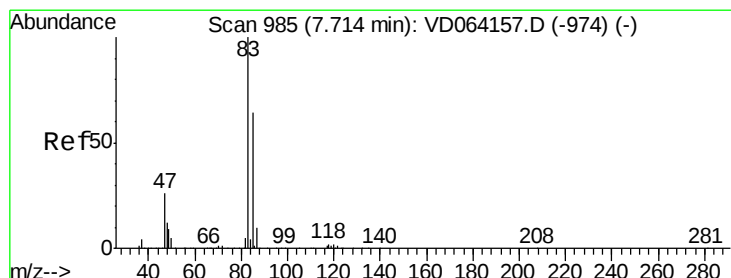
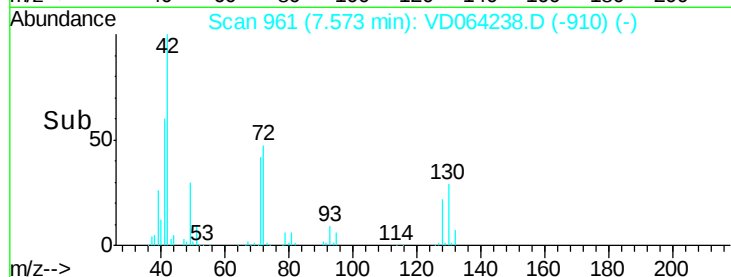
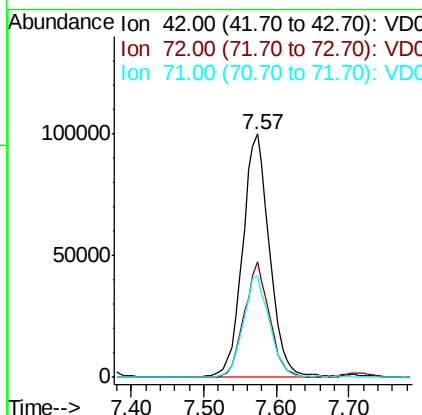
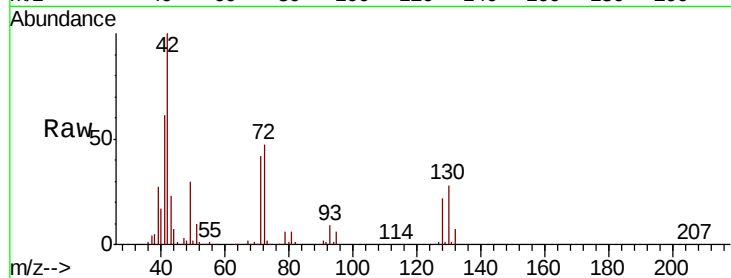
#29
Tetrahydrofuran
Concen: 292.961 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.4	50.2
71	40.3	31.0	46.4

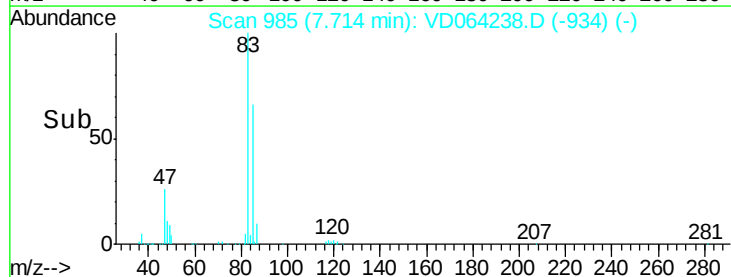
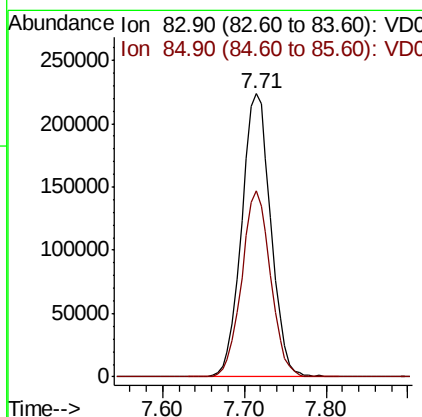
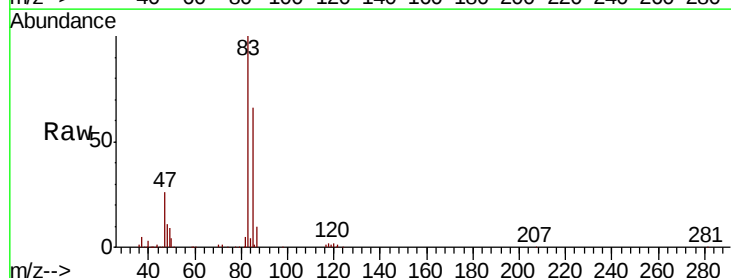
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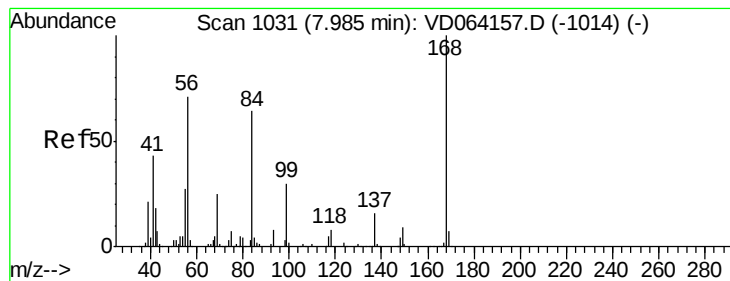
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#30
Chloroform
Concen: 57.994 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.4	77.0





#31

Cyclohexane

Concen: 46.795 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 441188

Ion Ratio Lower Upper

56 100

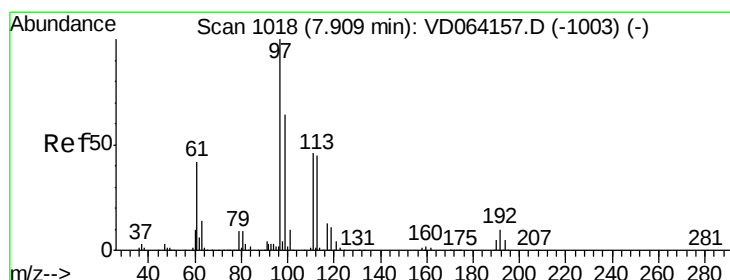
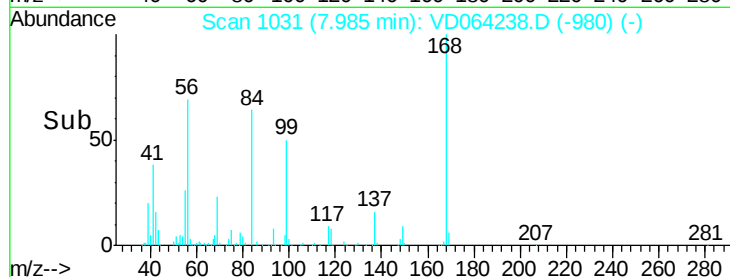
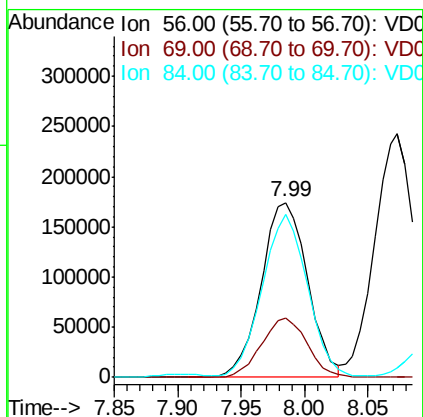
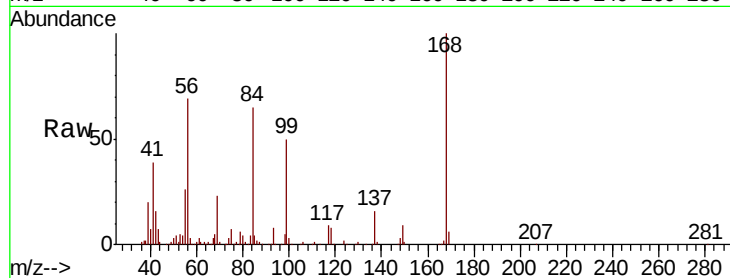
69 33.8 28.2 42.4

84 91.0 71.8 107.6

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#32

1,1,1-Trichloroethane

Concen: 52.979 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

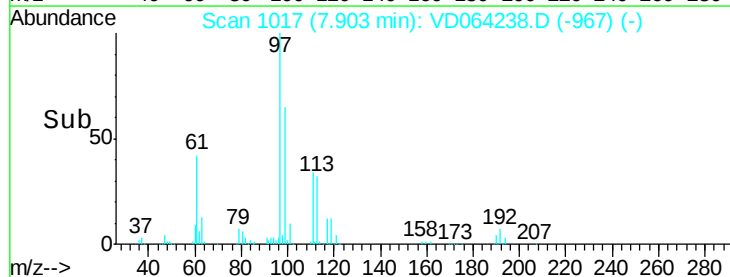
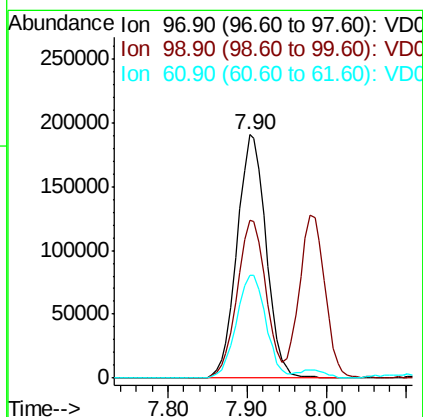
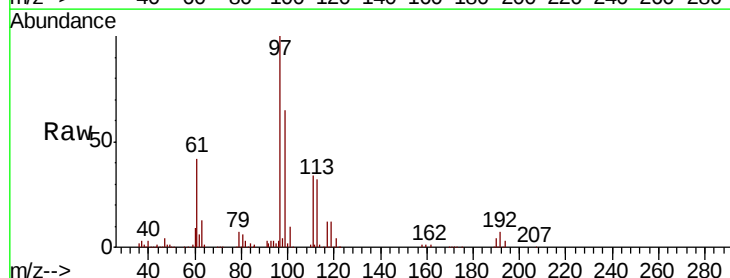
Tgt Ion: 97 Resp: 485086

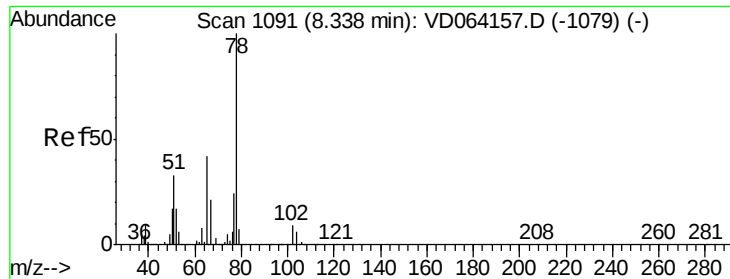
Ion Ratio Lower Upper

97 100

99 64.2 51.6 77.4

61 43.0 34.2 51.2





#33

1,2-Dichloroethane-d4

Concen: 53.413 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 256575

Ion Ratio Lower Upper

65 100

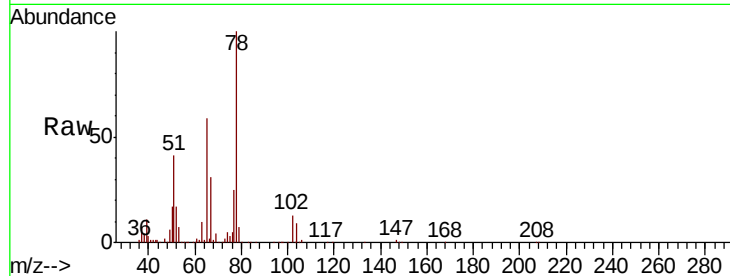
67 52.2 0.0 104.4

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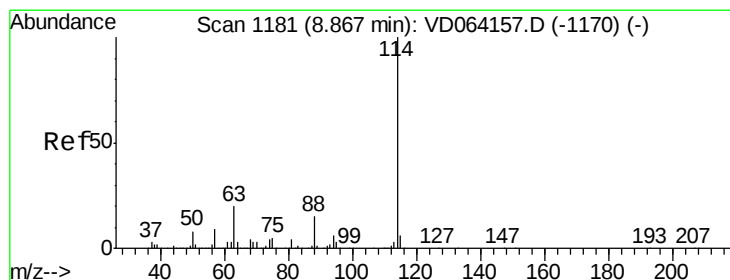
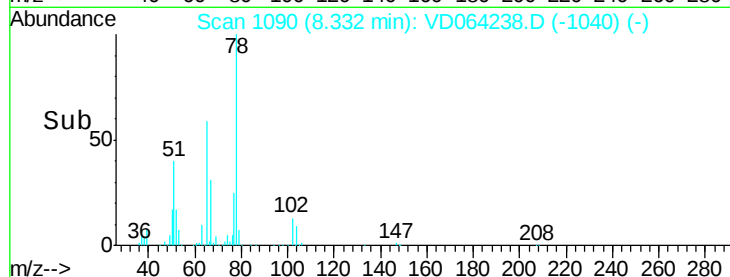
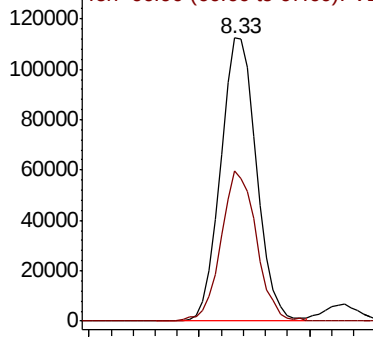
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

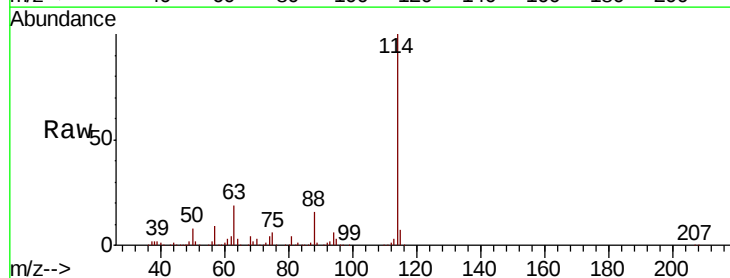
Tgt Ion: 114 Resp: 862157

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

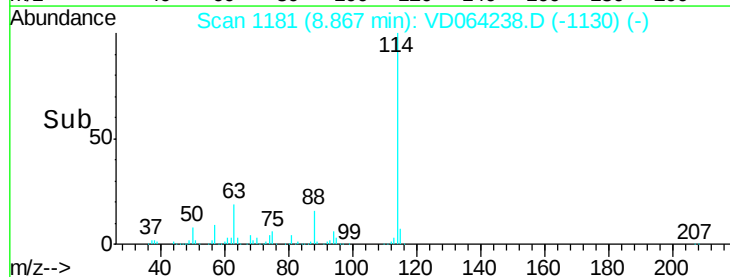
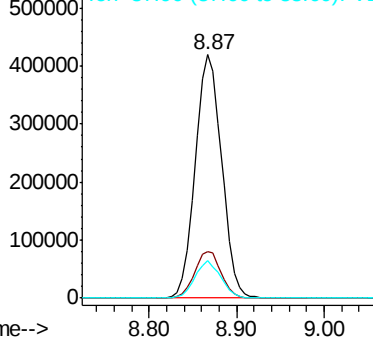
88 15.5 0.0 30.2

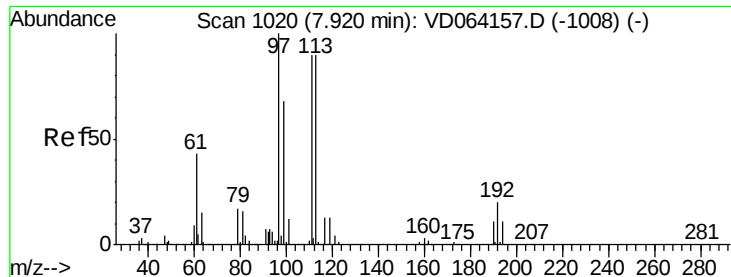


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





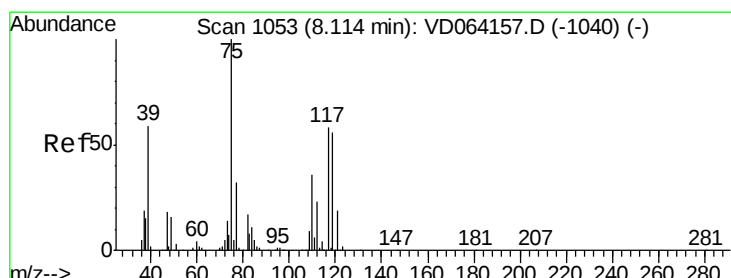
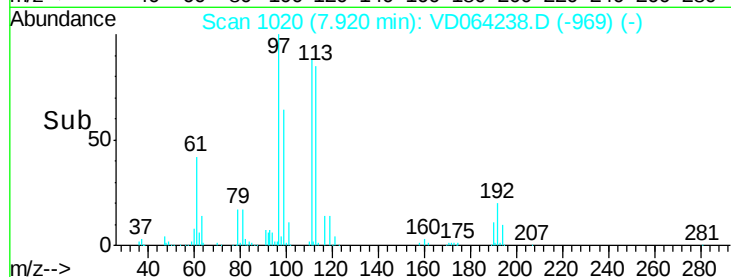
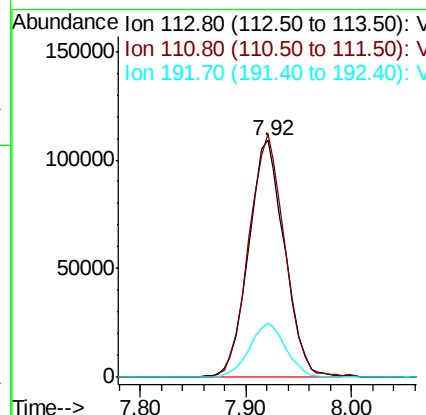
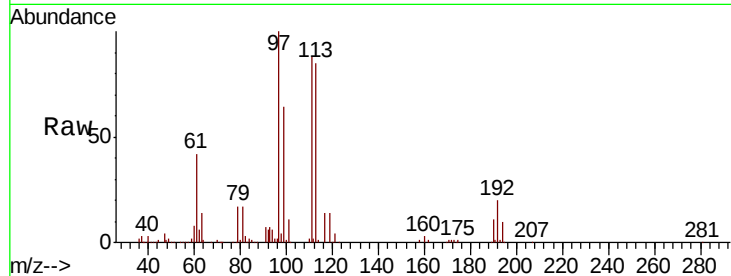
#35
 Dibromofluoromethane
 Concen: 52.218 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	258425		
111	102.3	81.5	122.3	
192	23.2	18.8	28.2	

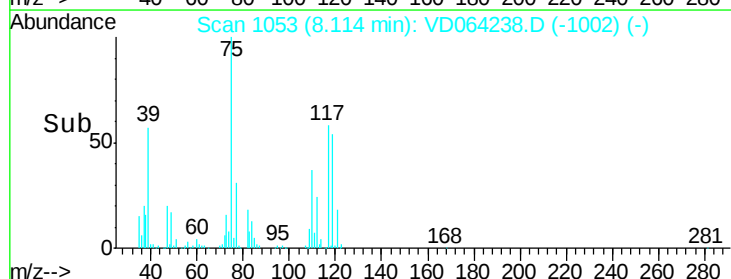
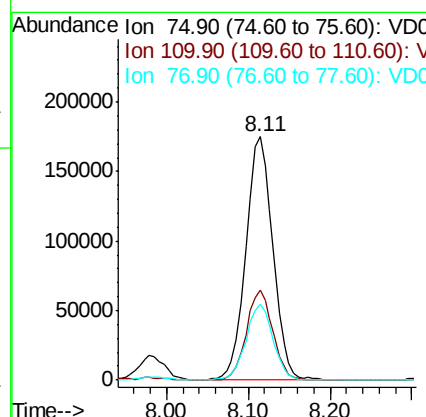
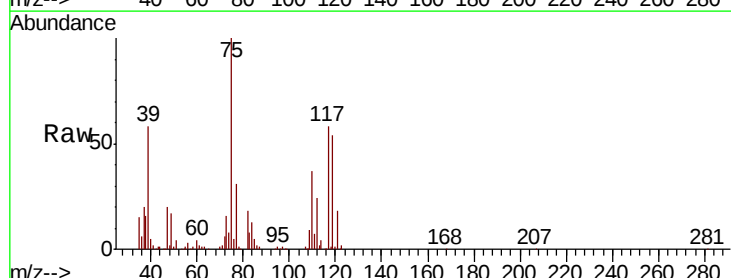
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#36
 1,1-Dichloropropene
 Concen: 50.441 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	401356		
110	36.1	18.3	54.9	
77	31.3	25.0	37.6	





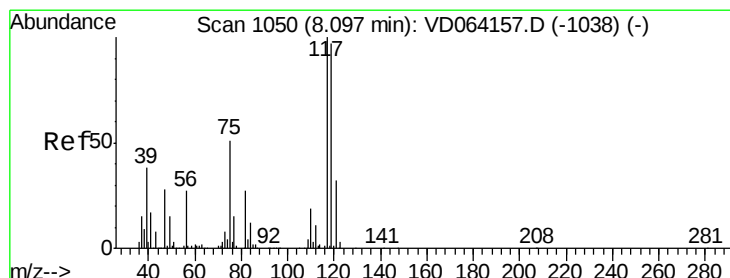
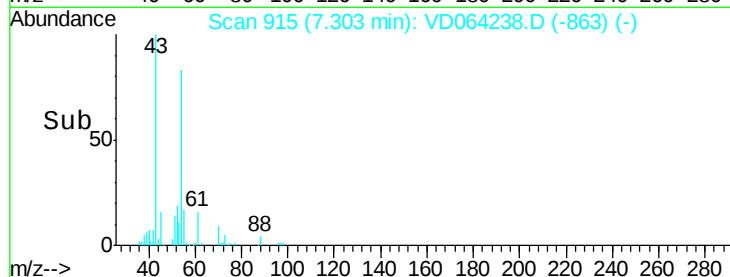
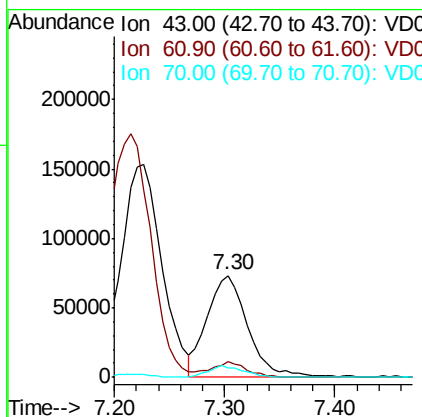
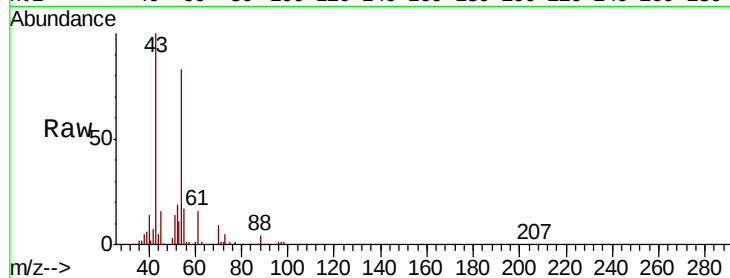
#37
Ethyl Acetate
Concen: 54.591 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	10.2	8.5	12.7

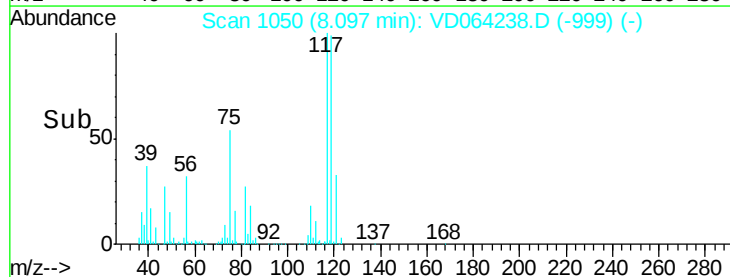
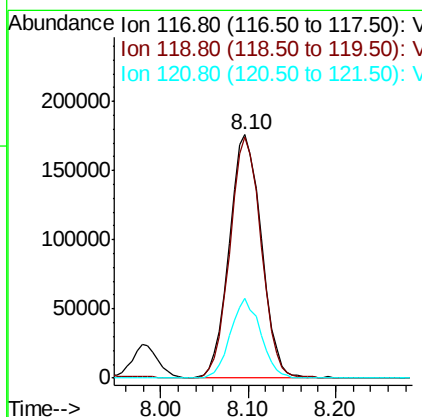
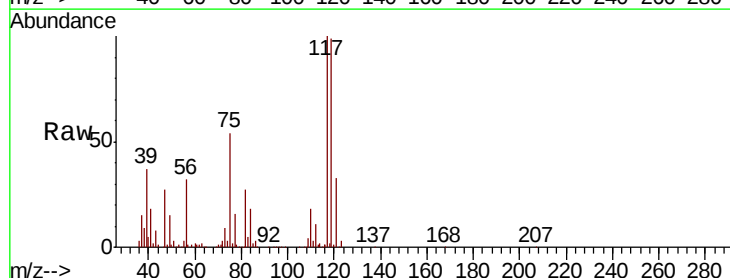
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#38
Carbon Tetrachloride
Concen: 51.234 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.1	77.2	115.8
121	32.8	25.5	38.3





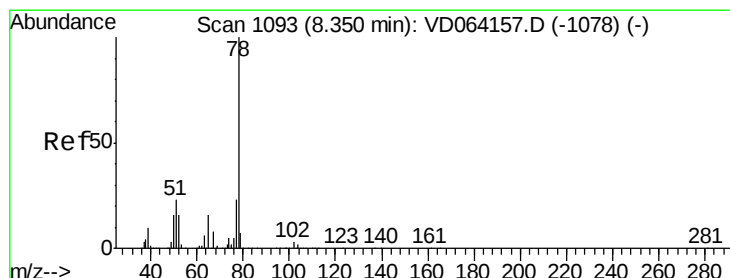
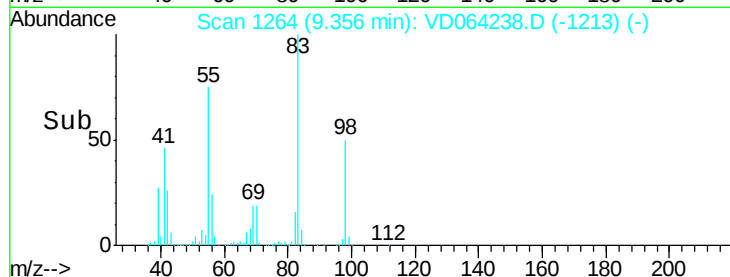
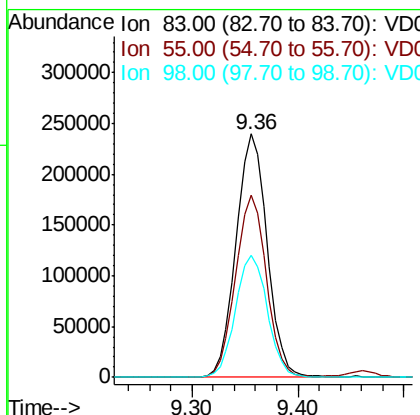
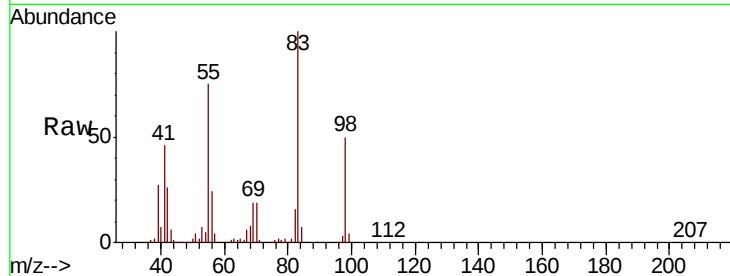
#39
Methvlcvclohexane
Concen: 48.567 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.7	92.5
98	50.2	38.6	58.0

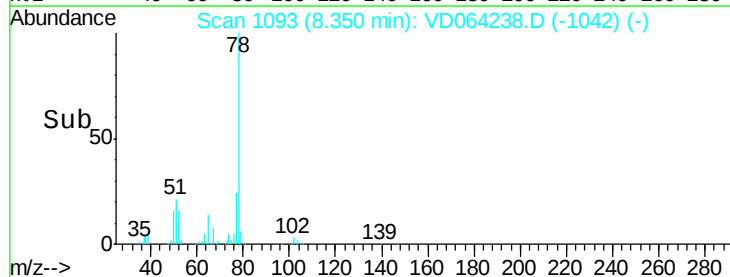
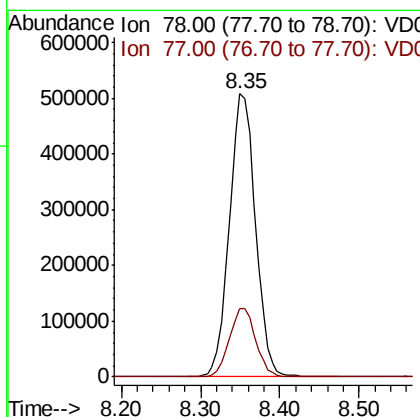
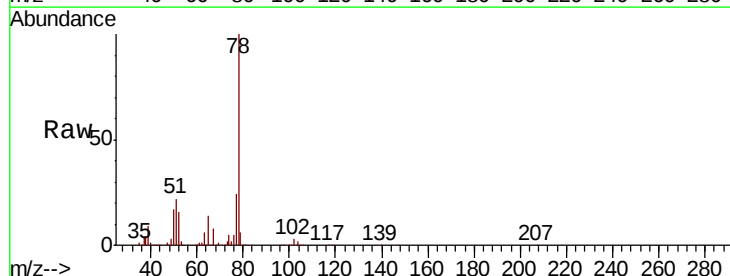
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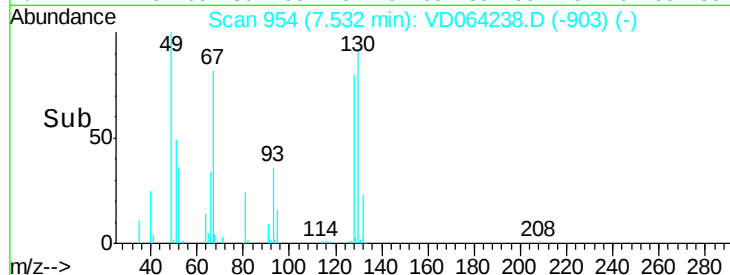
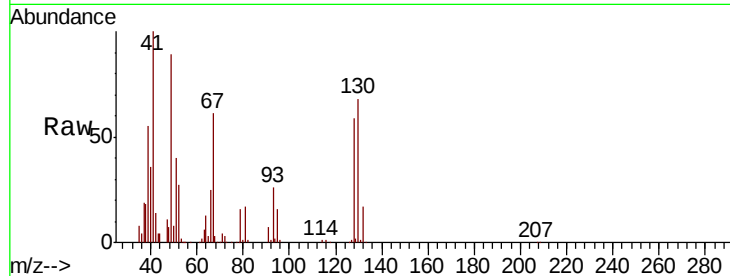
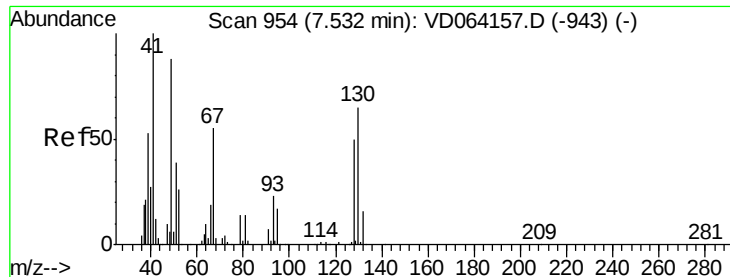
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#40
Benzene
Concen: 53.171 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.6	28.0





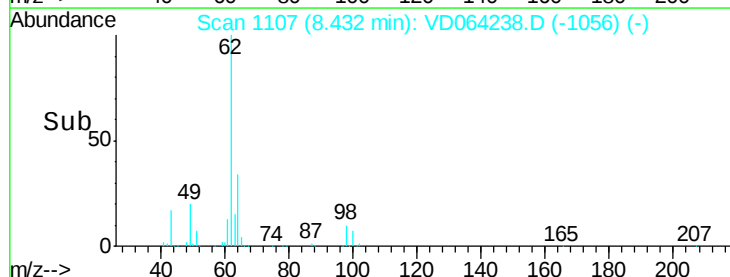
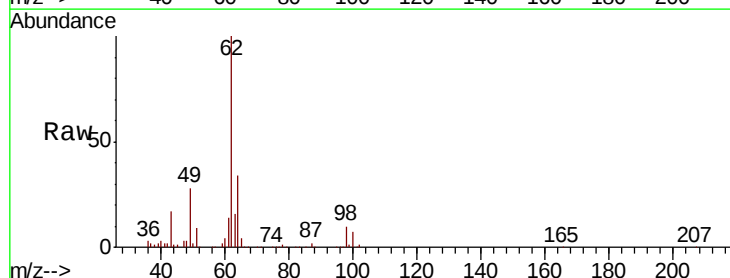
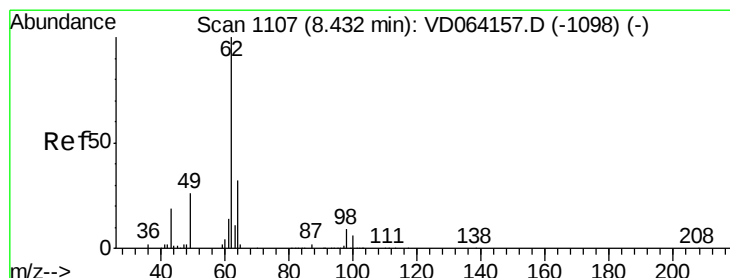
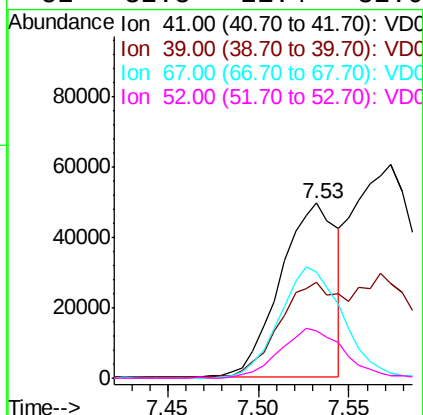
#41
Methacrylonitrile
Concen: 50.925 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	49.4	74.2
67	72.2	49.6	74.4
52	32.8	21.4	32.0#

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

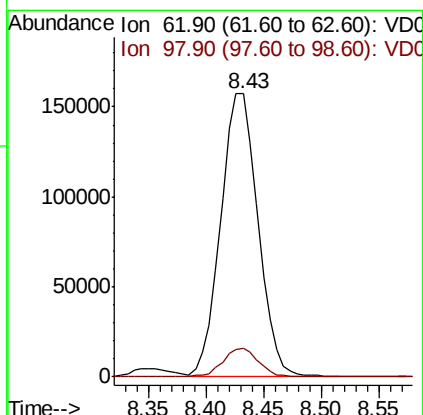
Manual Integrations
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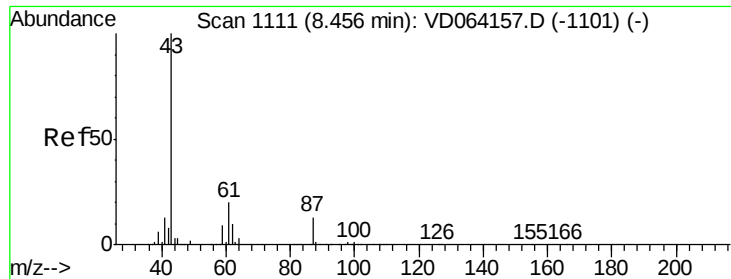
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#42
1,2-Dichloroethane
Concen: 53.835 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





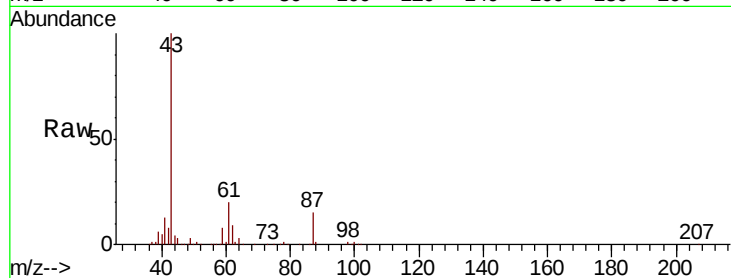
#43
Isopropyl Acetate
Concen: 55.116 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

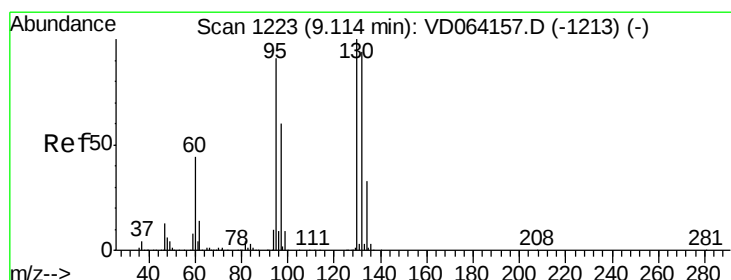
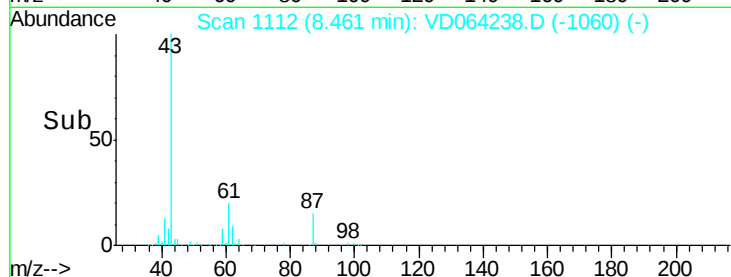
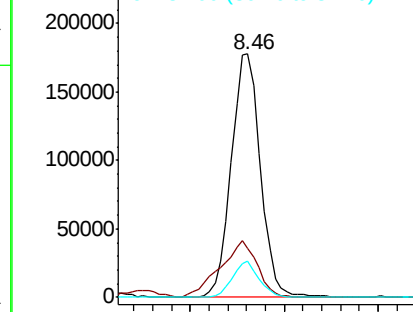
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.5	10.2	15.2

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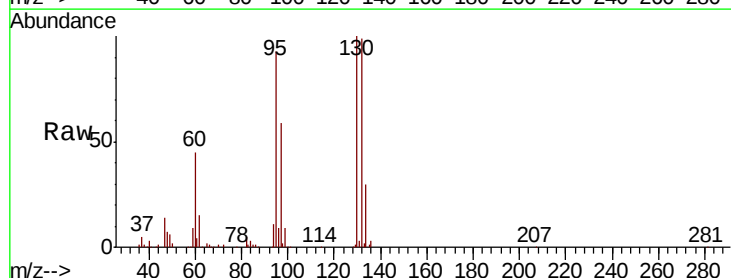


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

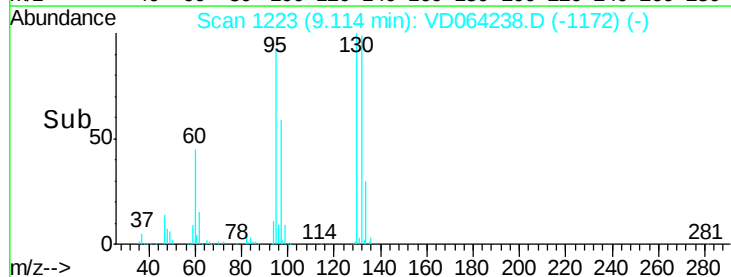
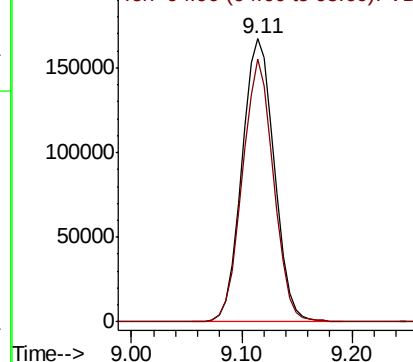


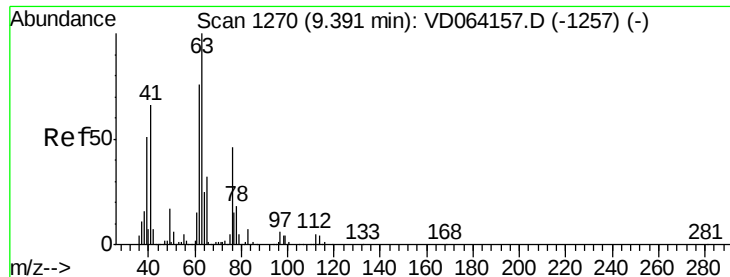
#44
Trichloroethene
Concen: 52.849 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.0	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VDC





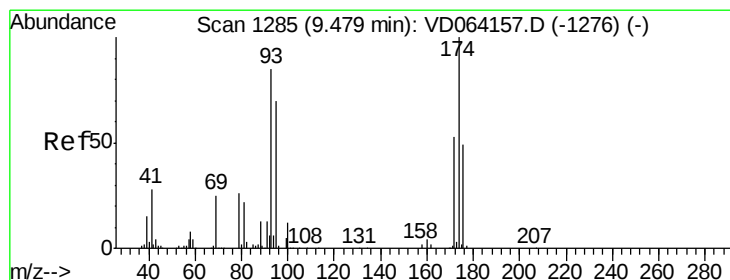
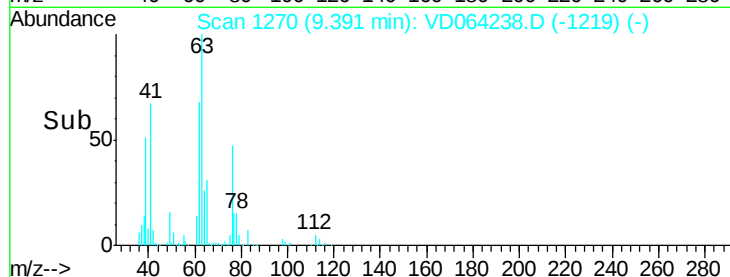
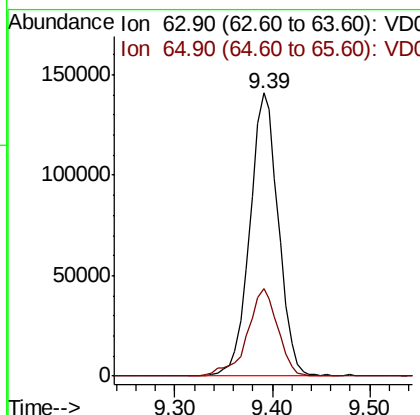
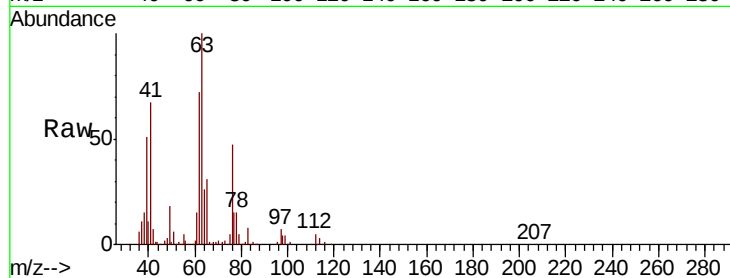
#45
 1,2-Dichloropropane
 Concen: 54.873 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.7	38.5

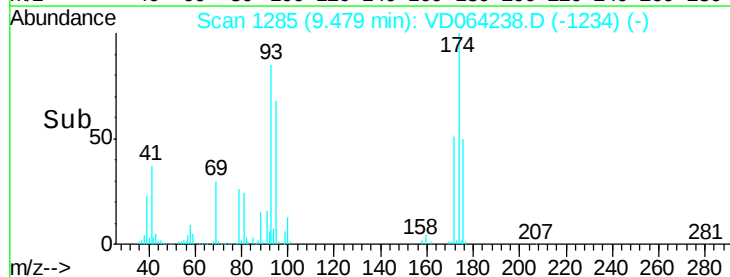
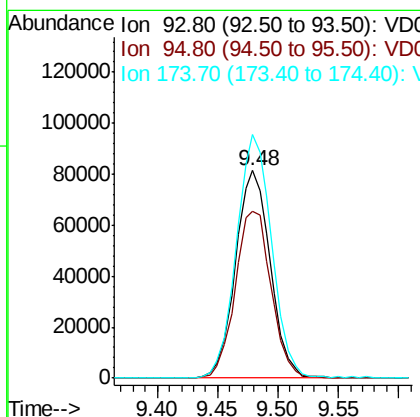
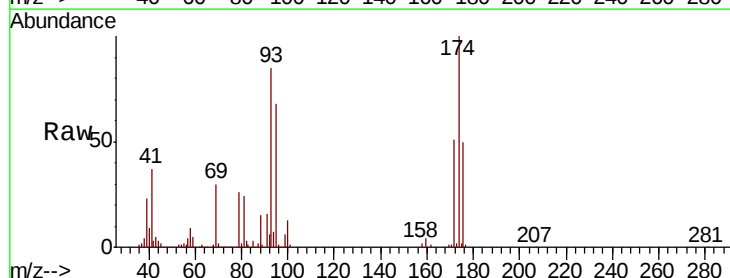
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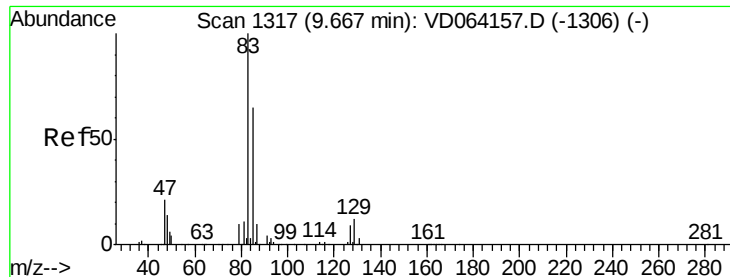
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#46
 Dibromomethane
 Concen: 57.686 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.5	98.3
174	118.5	93.9	140.9





#47

Bromodichloromethane

Concen: 56.992 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

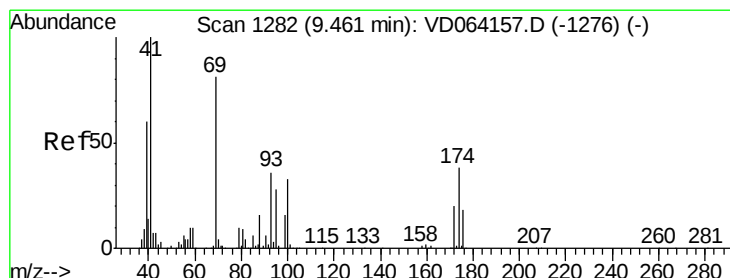
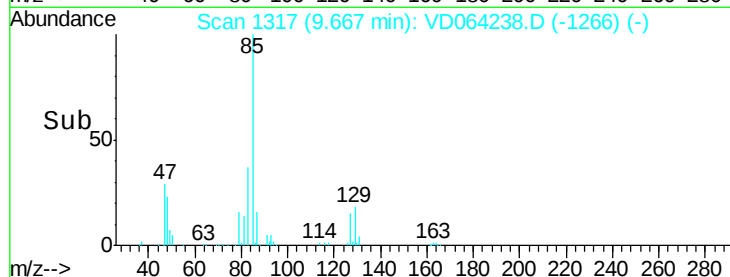
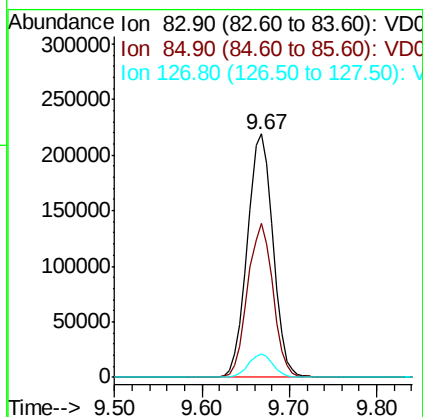
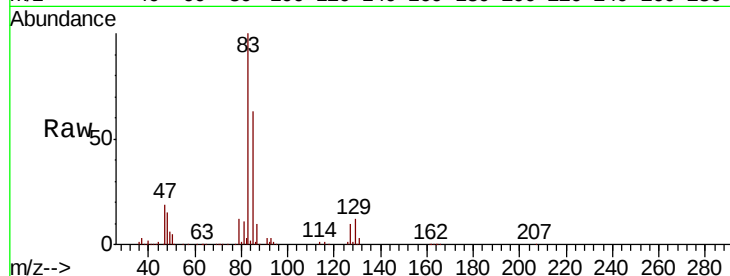
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	435007
Ion Ratio	Lower	Upper	
83	100		
85	63.2	52.2	78.4
127	9.7	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.783 ug/l

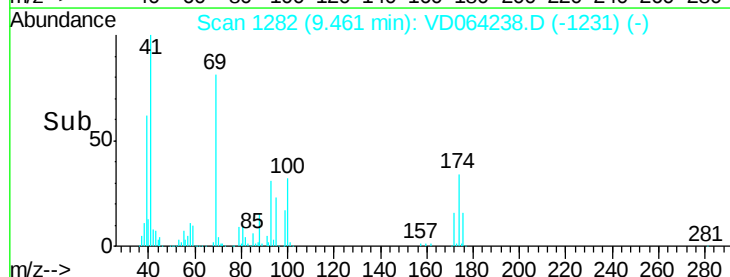
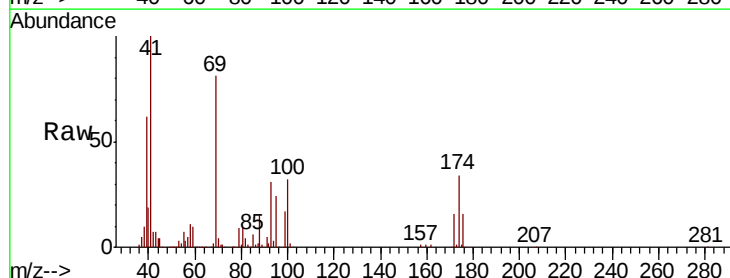
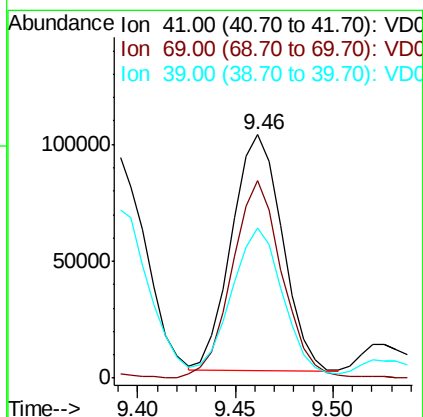
RT: 9.46 min Scan# 1282

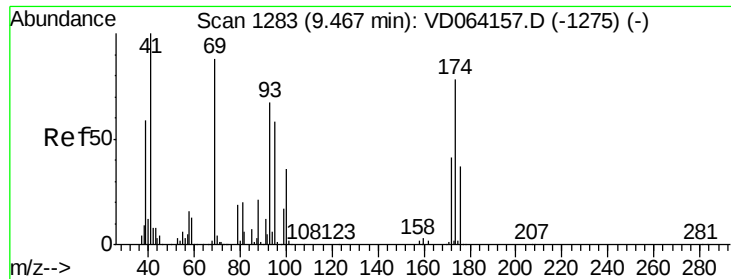
Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	41	Resp:	181765
Ion Ratio	Lower	Upper	
41	100		
69	82.1	64.6	97.0
39	65.2	48.2	72.2





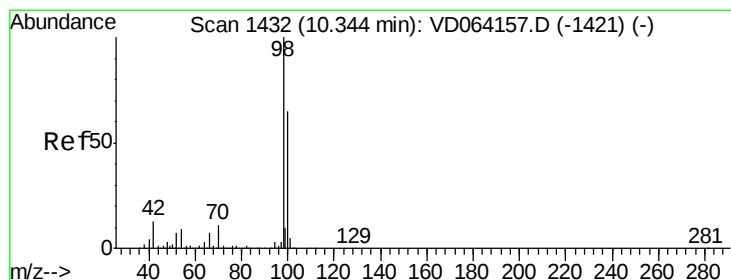
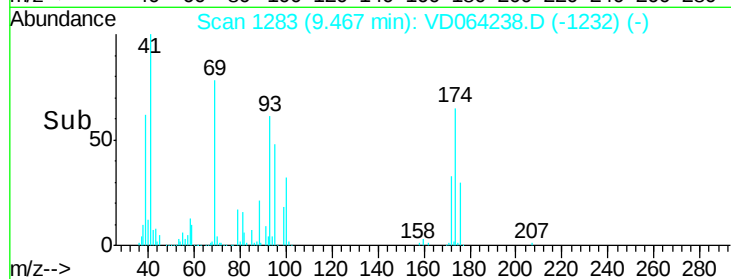
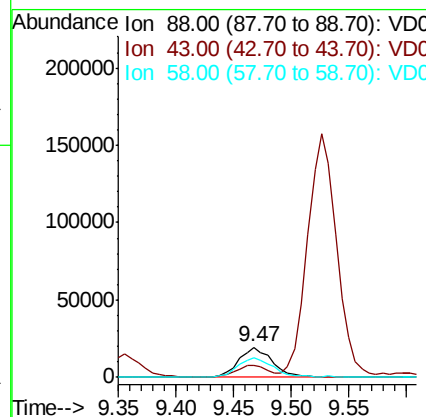
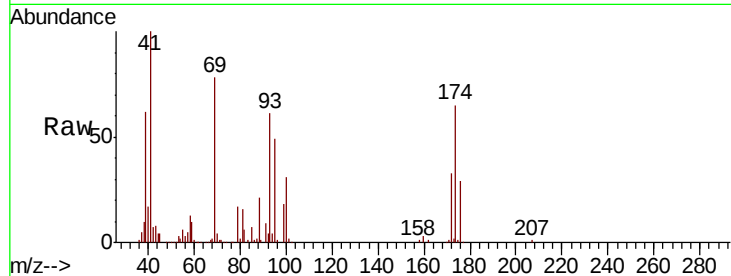
#49
1,4-Dioxane
Concen: 1158.400 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	39423
Ion Ratio	100	Lower	Upper
88	100		
43	36.9	29.8	44.8
58	70.3	58.1	87.1

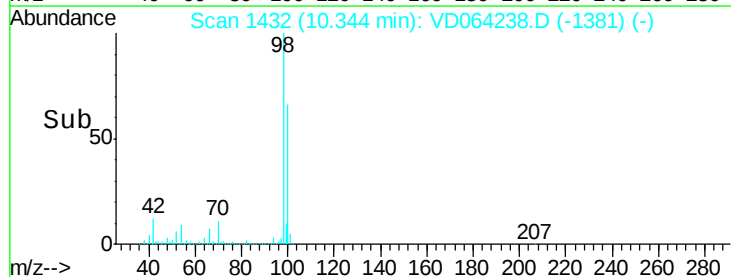
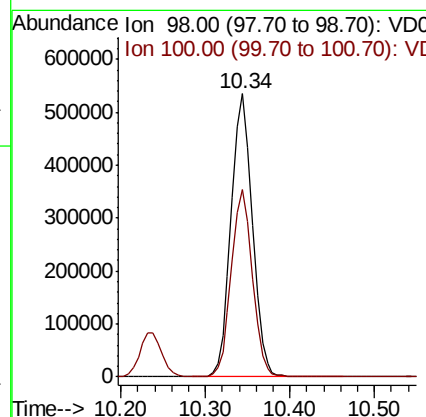
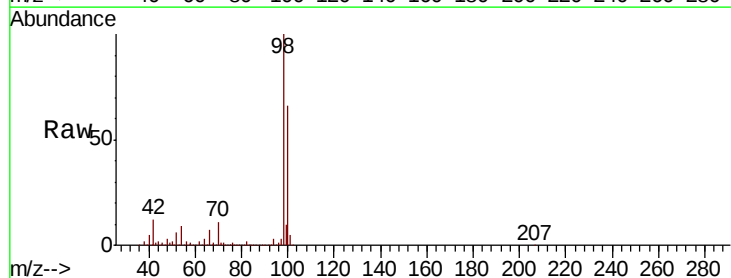
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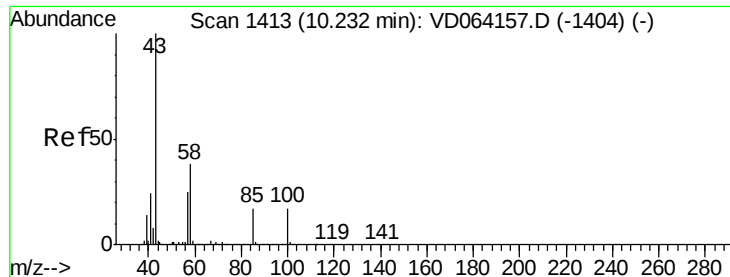
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#50
Toluene-d8
Concen: 49.818 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	98	Resp	930066
Ion Ratio	100	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 278.729 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 923820

Ion Ratio Lower Upper

43 100

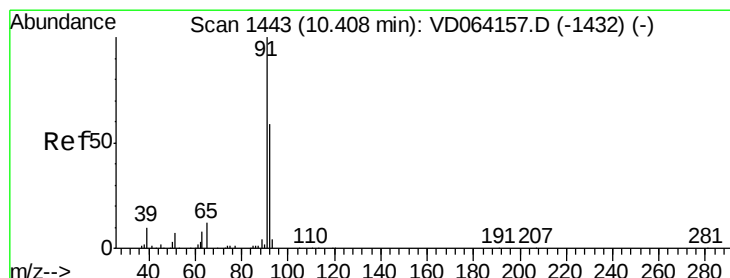
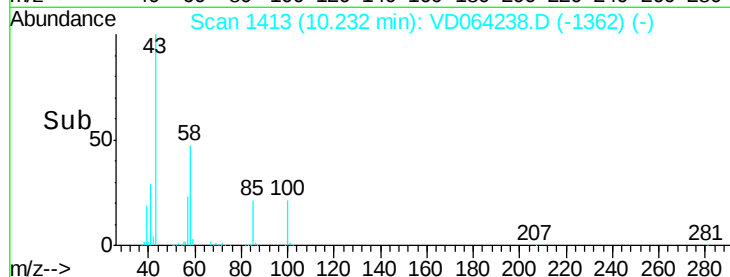
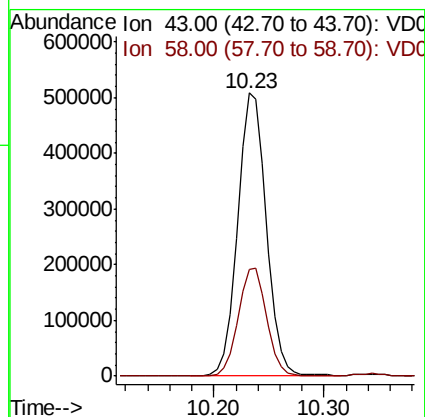
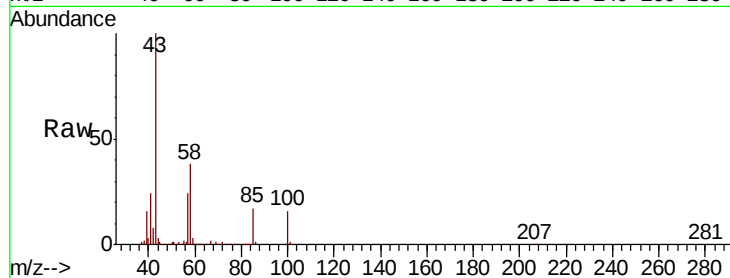
58 38.3 30.2 45.4

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#52

Toluene

Concen: 52.813 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064238.D

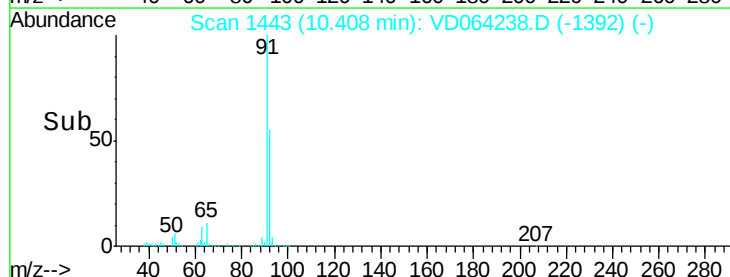
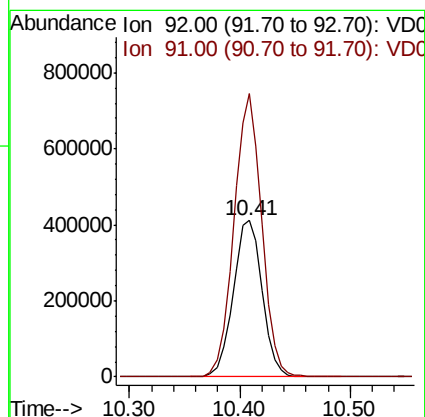
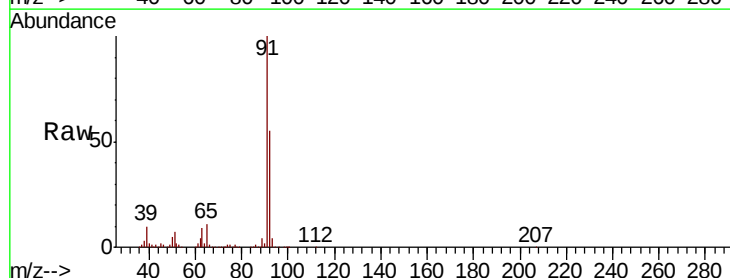
Acq: 15 Nov 2019 20:22

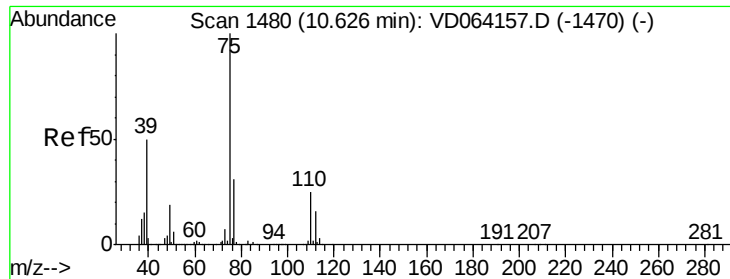
Tgt Ion: 92 Resp: 755207

Ion Ratio Lower Upper

92 100

91 173.7 136.4 204.6





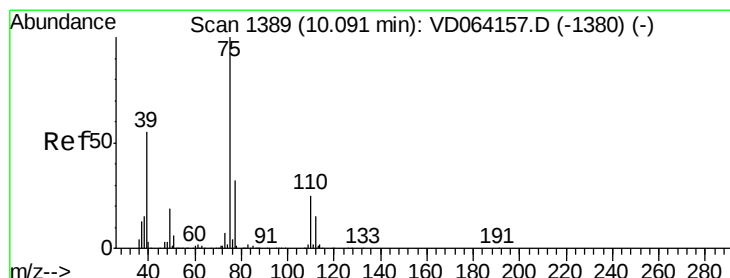
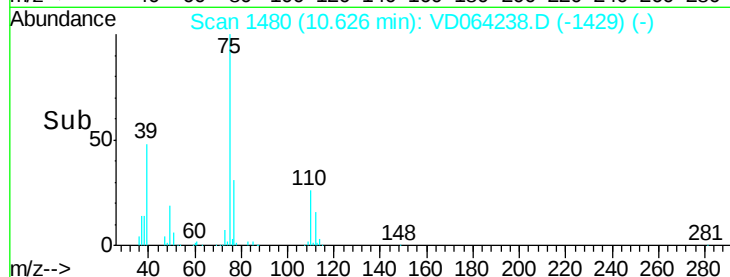
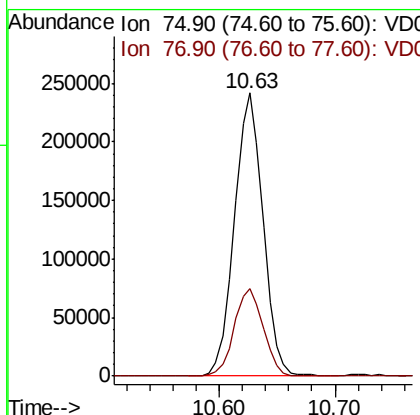
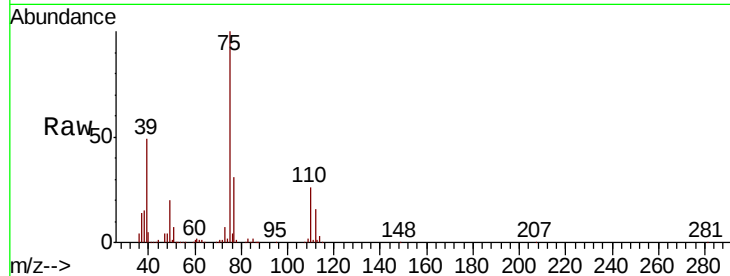
#53
 t-1,3-Dichloropropene
 Concen: 54.199 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 414456
 Ion Ratio Lower Upper
 75 100
 77 30.8 24.7 37.1

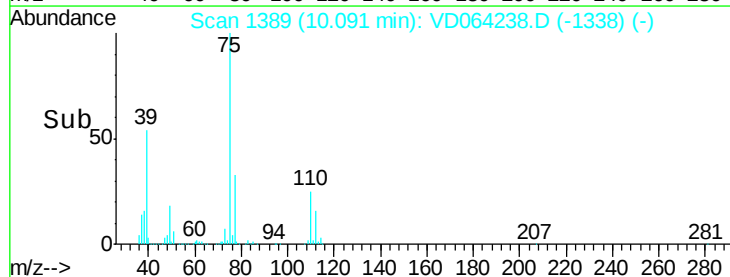
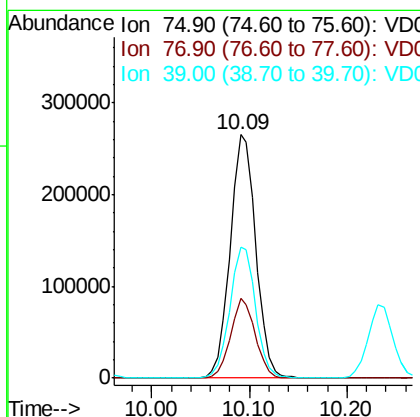
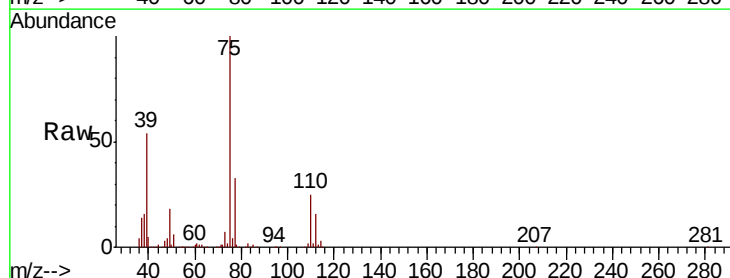
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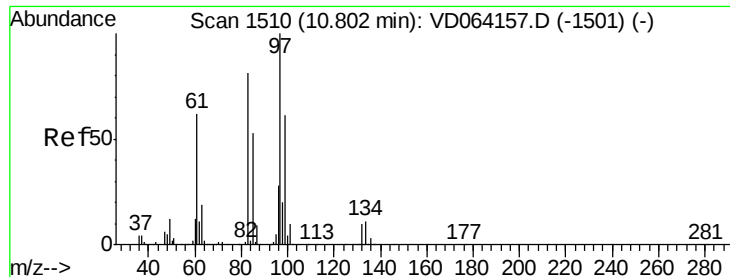
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#54
 cis-1,3-Dichloropropene
 Concen: 54.116 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion: 75 Resp: 482894
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.2 37.8
 39 53.7 44.2 66.2





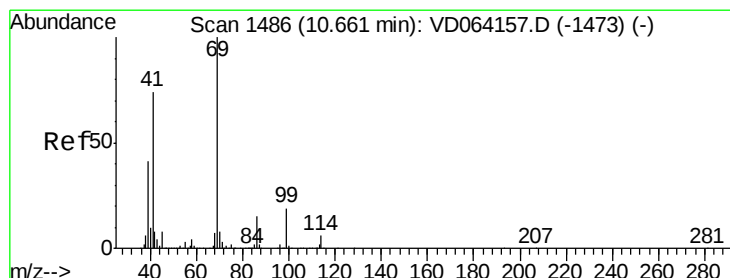
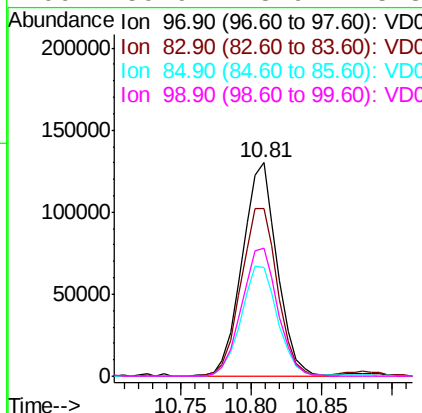
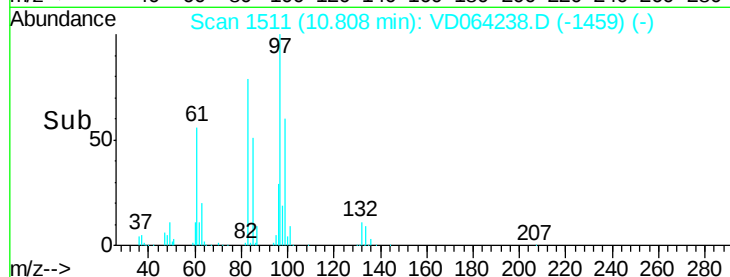
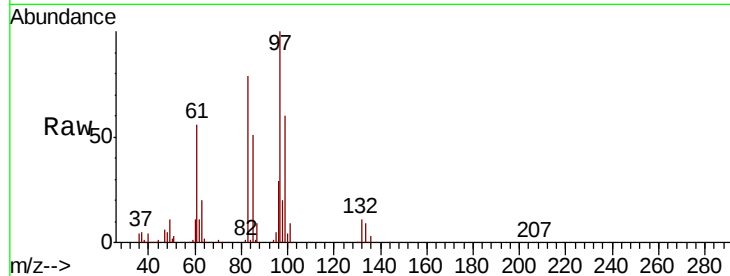
#55
 1,1,2-Trichloroethane
 Concen: 58.804 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		226046		
83	78.5	65.1	97.7		
85	51.0	42.0	63.0		
99	59.9	48.9	73.3		

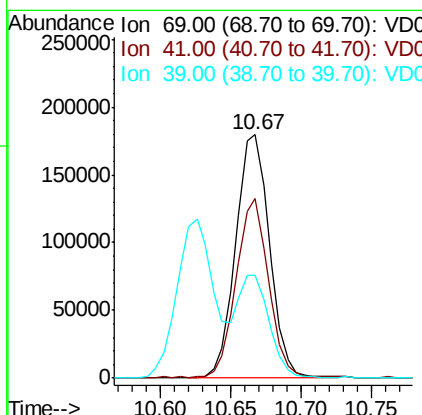
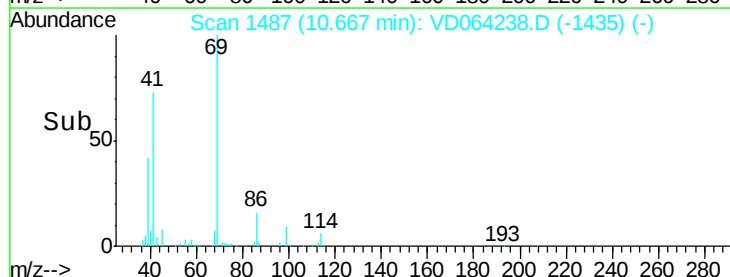
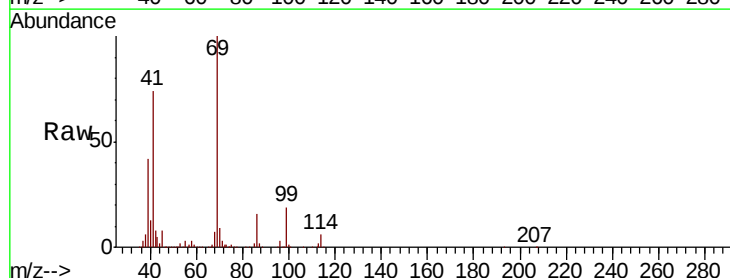
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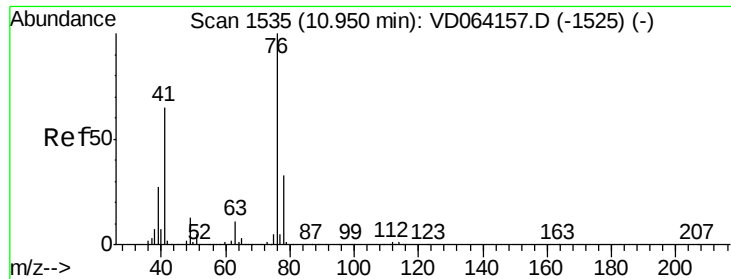
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#56
 Ethyl methacrylate
 Concen: 56.179 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		302096		
41	70.0	57.9	86.9		
39	38.0	29.0	43.4		





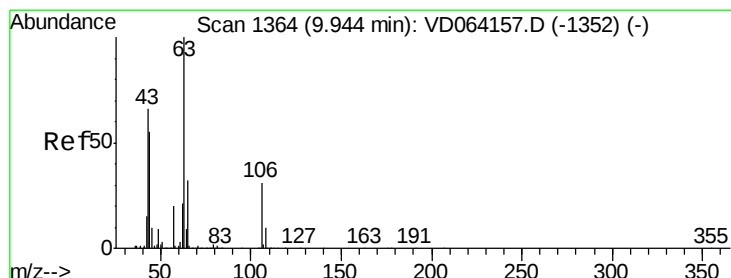
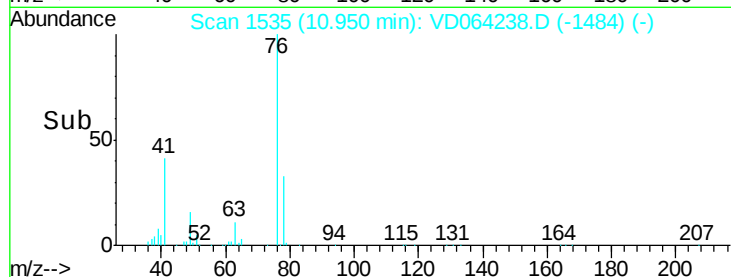
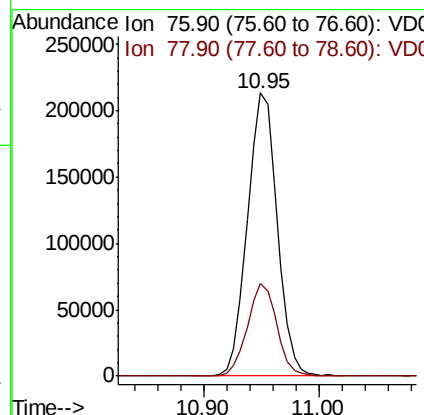
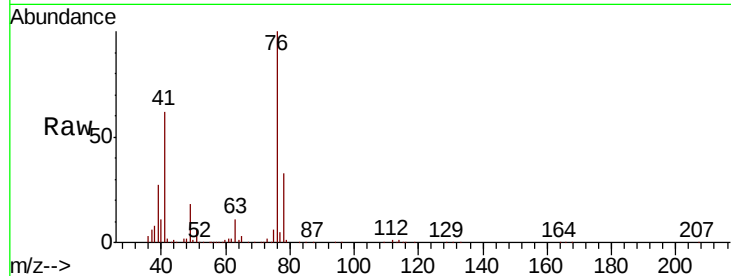
#57
 1,3-Dichloropropane
 Concen: 57.170 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.2	39.4

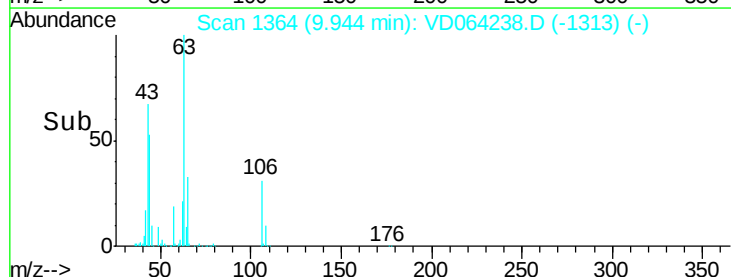
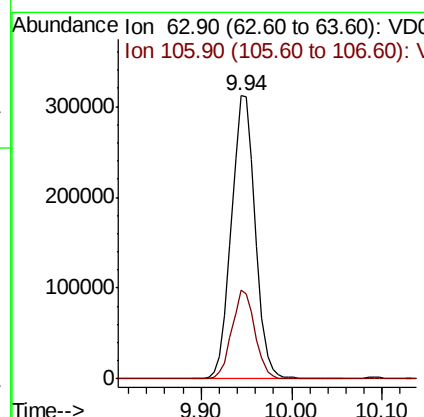
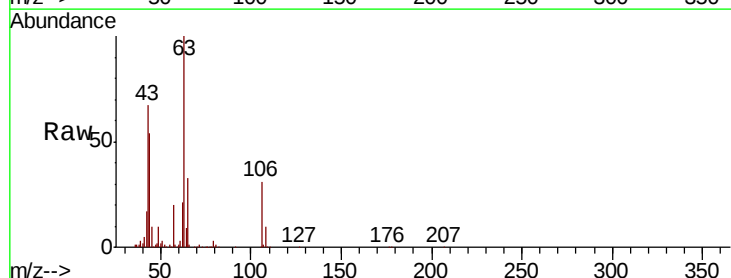
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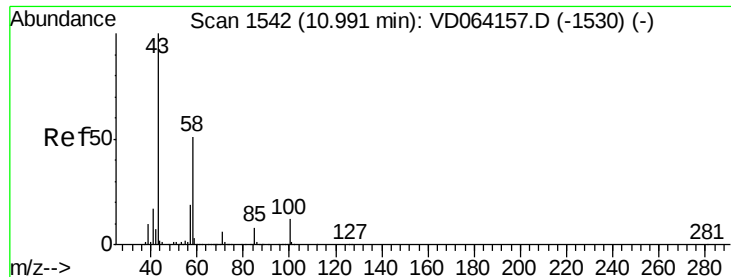
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#58
 2-Chloroethyl Vinyl ether
 Concen: 262.850 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.3	24.1	36.1





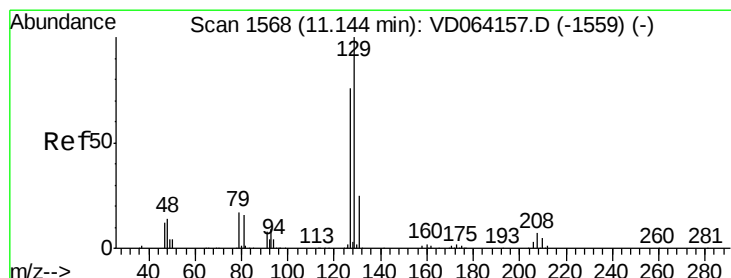
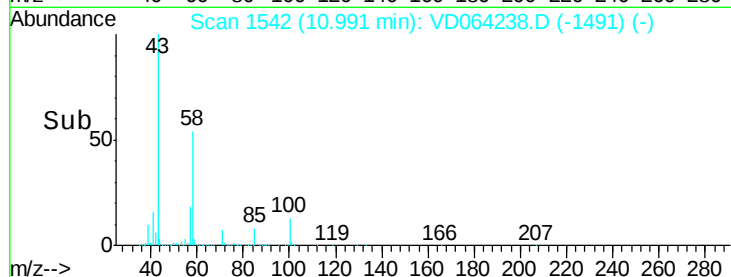
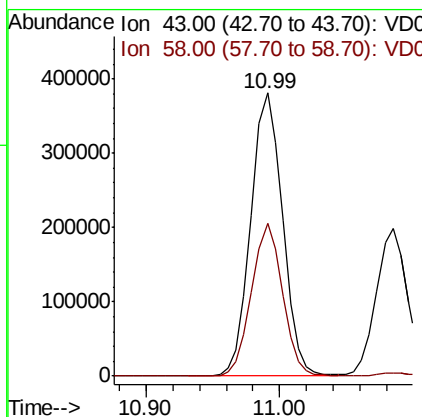
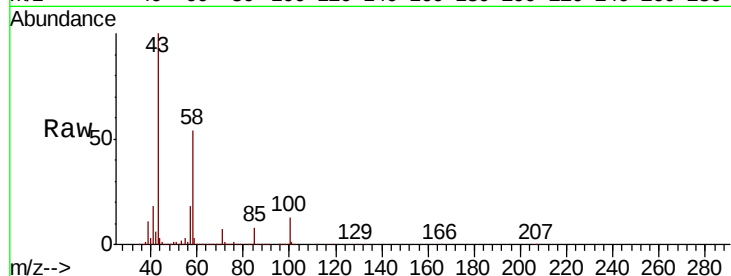
#59
2-Hexanone
Concen: 265.533 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 626129
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7

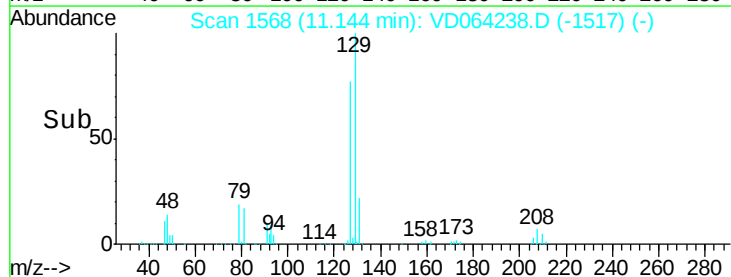
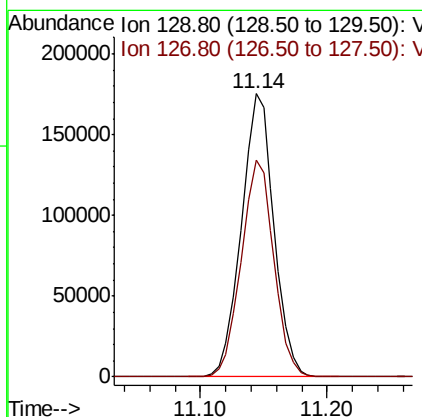
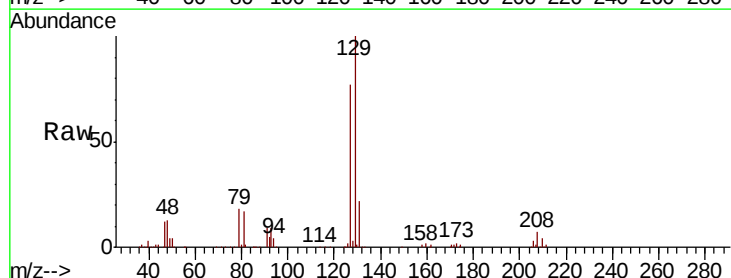
Manual Integrations
APPROVED

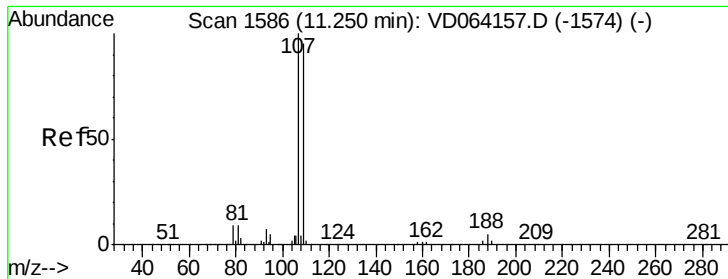
MMDADODA
11/19/2019 12:23:37 PM



#60
Dibromochloromethane
Concen: 58.281 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 129 Resp: 312612
Ion Ratio Lower Upper
129 100
127 76.6 38.6 115.8





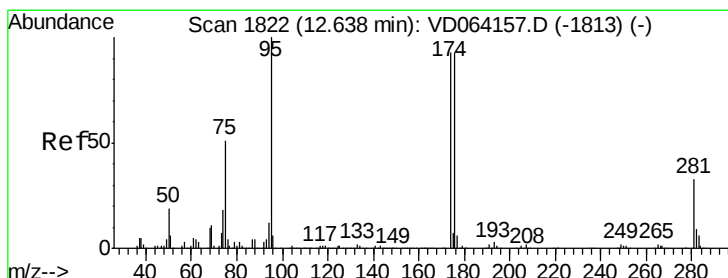
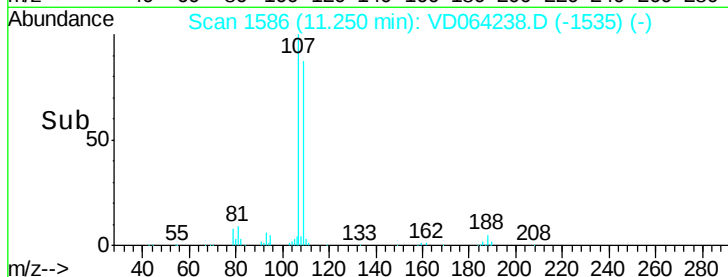
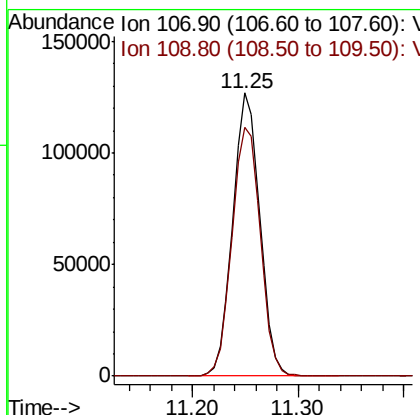
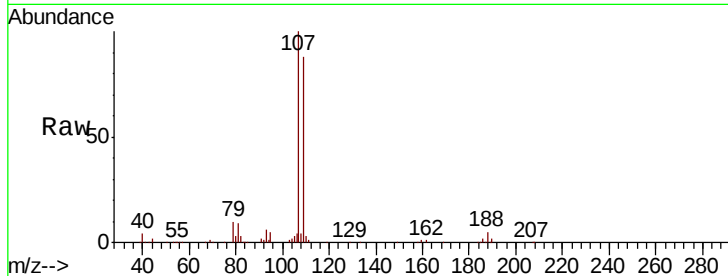
#61
 1,2-Dibromoethane
 Concen: 58.186 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.1	112.7

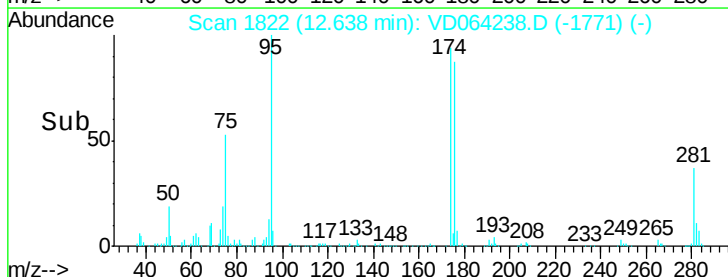
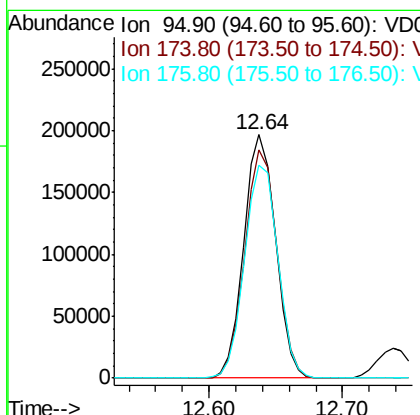
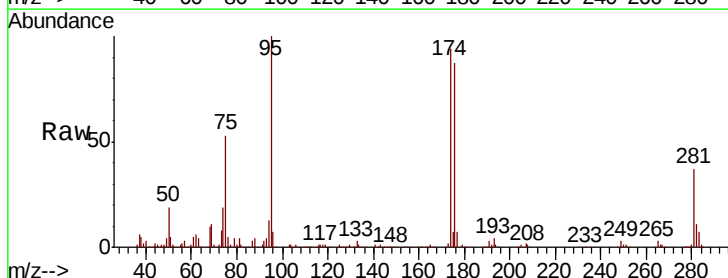
Manual Integrations
 APPROVED

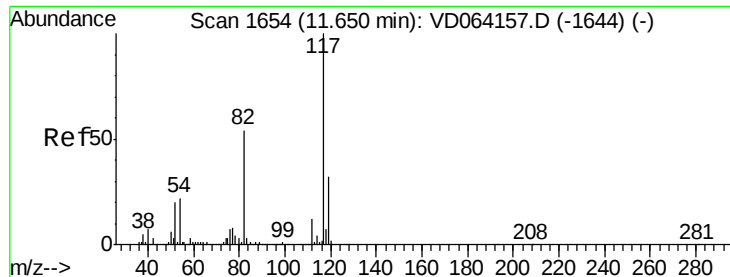
MMDADODA
 11/19/2019 12:23:37 PM



#62
 4-Bromofluorobenzene
 Concen: 50.004 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	183.6
176	91.6	0.0	180.2





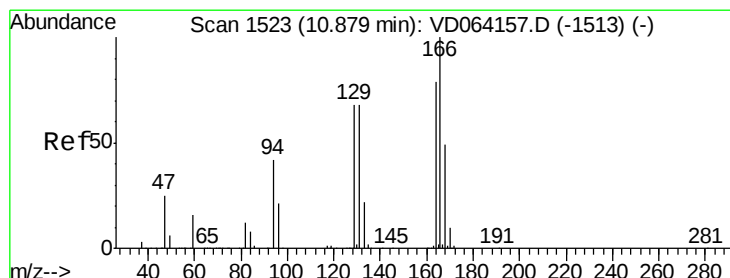
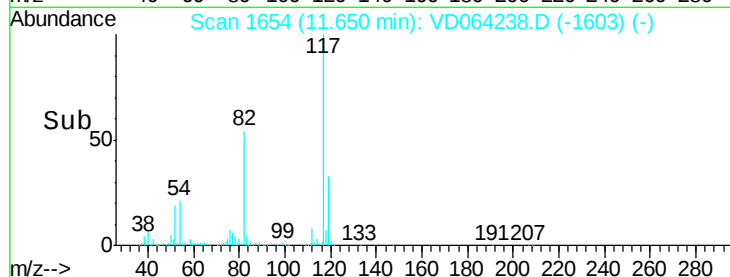
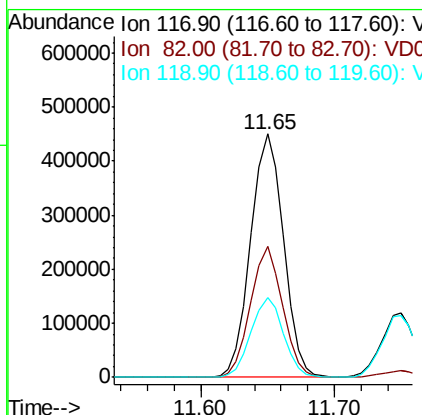
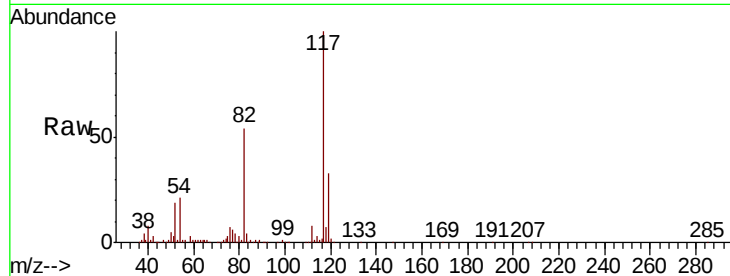
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.8	64.2
119	32.6	25.6	38.4

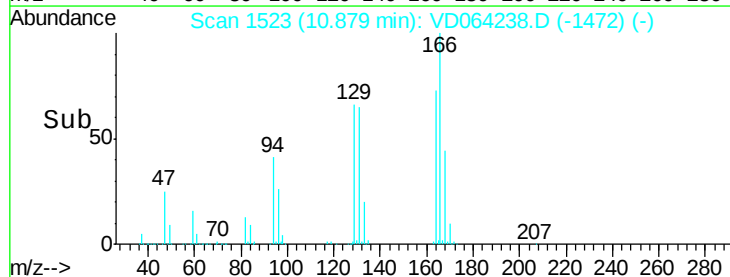
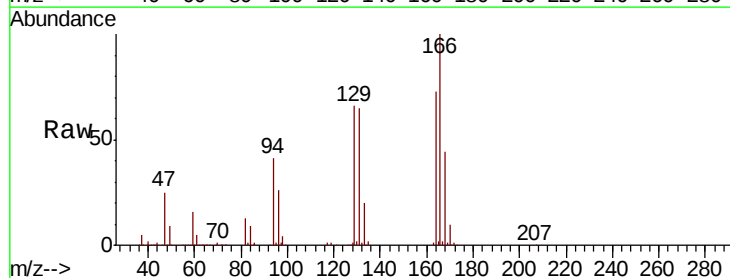
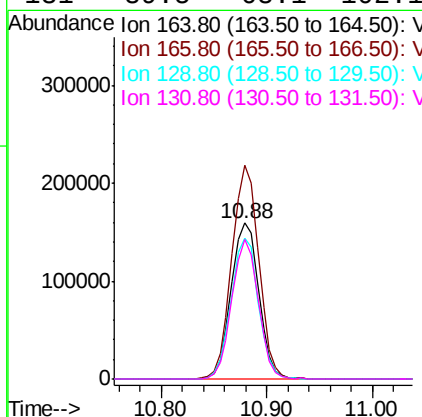
Manual Integrations
APPROVED

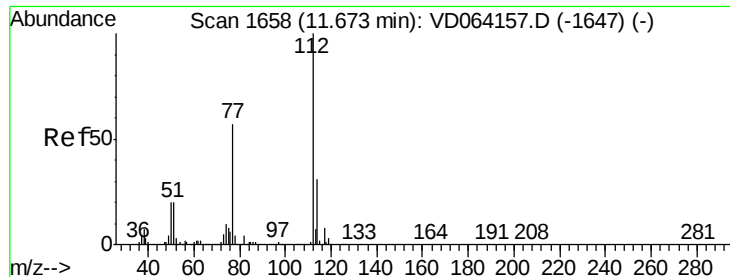
MMDADODA
11/19/2019 12:23:37 PM



#64
Tetrachloroethene
Concen: 48.941 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.0	100.8	151.2
129	90.4	68.7	103.1
131	89.5	68.1	102.1





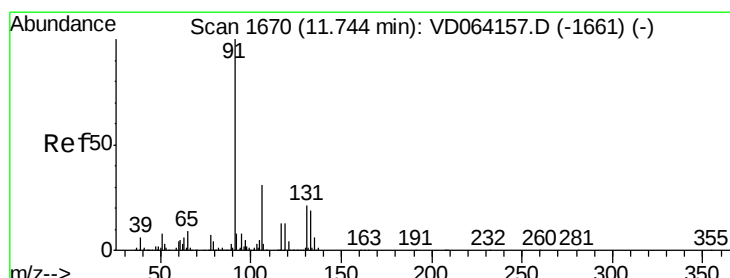
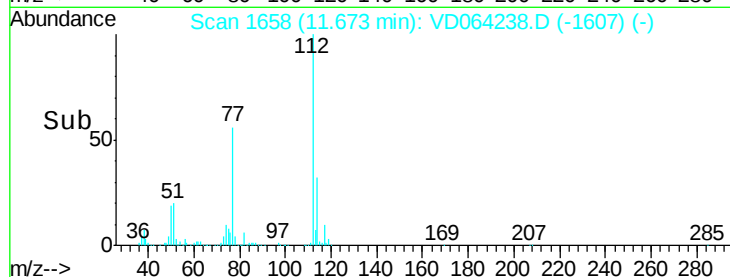
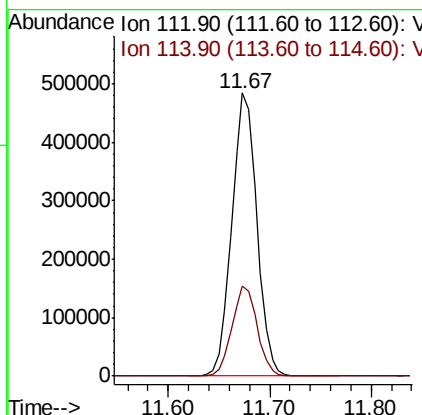
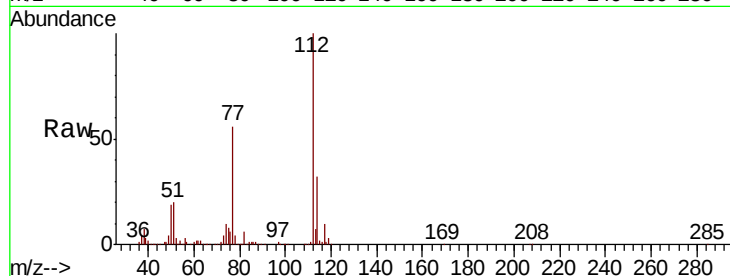
#65
Chlorobenzene
Concen: 53.200 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

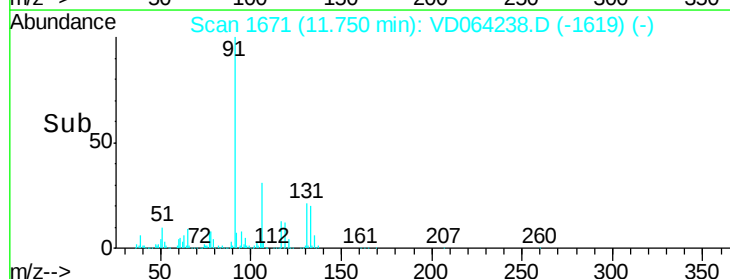
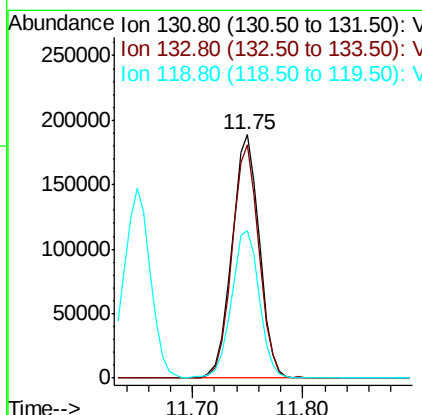
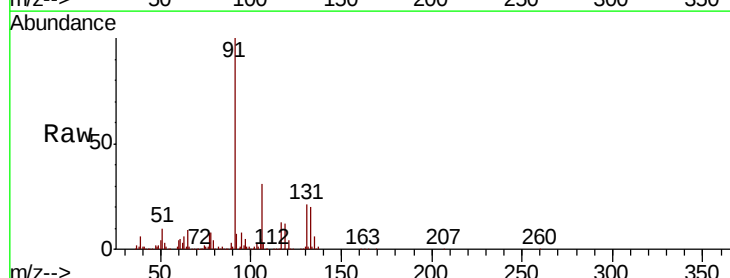
Manual Integrations
APPROVED

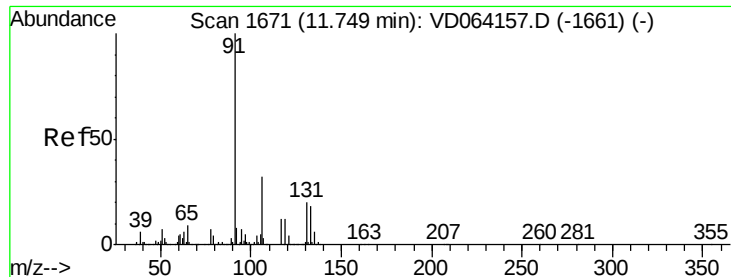
MMDADODA
11/19/2019 12:23:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.333 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	61.1	31.1	93.3





#67

Ethyl Benzene

Concen: 52.019 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1468288

Ion Ratio Lower Upper

91 100

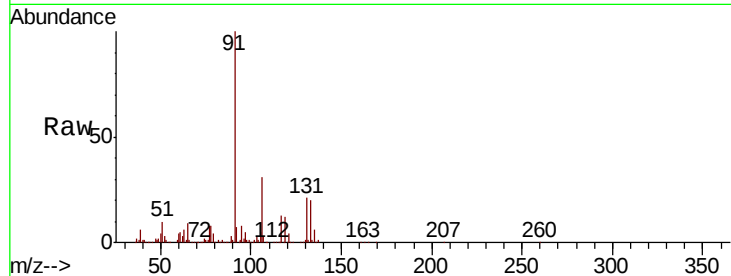
106 30.9 25.5 38.3

Manual Integrations

APPROVED

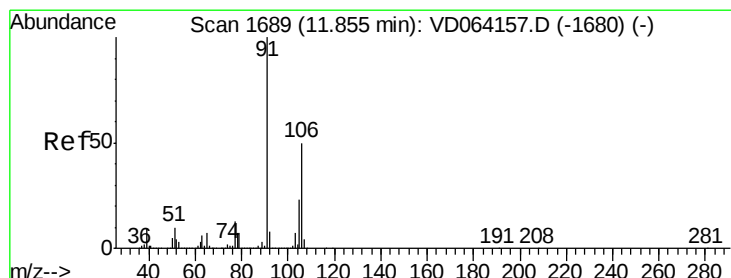
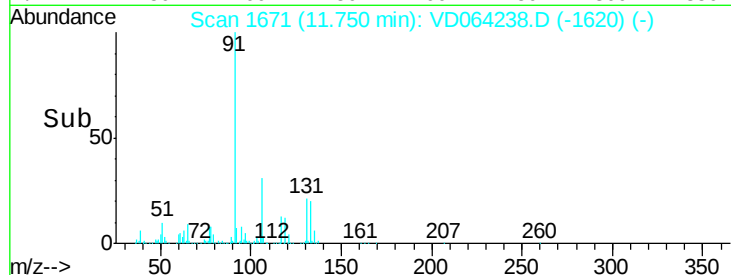
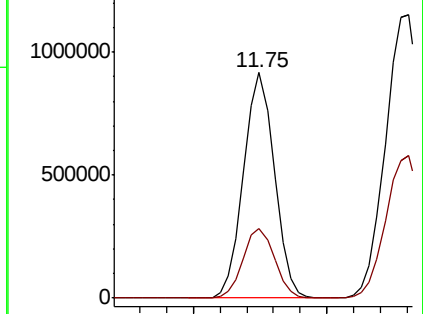
MMDADODA

11/19/2019 12:23:37 PM



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 103.747 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064238.D

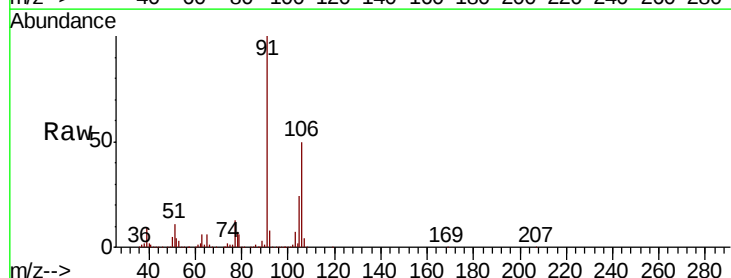
Acq: 15 Nov 2019 20:22

Tgt Ion: 106 Resp: 1122443

Ion Ratio Lower Upper

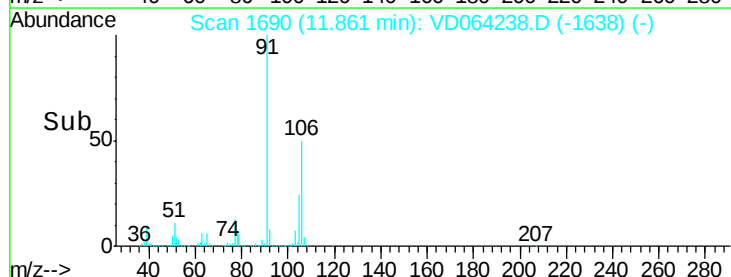
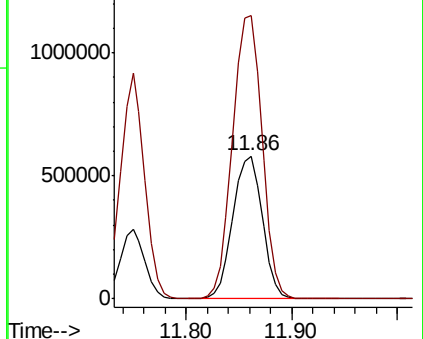
106 100

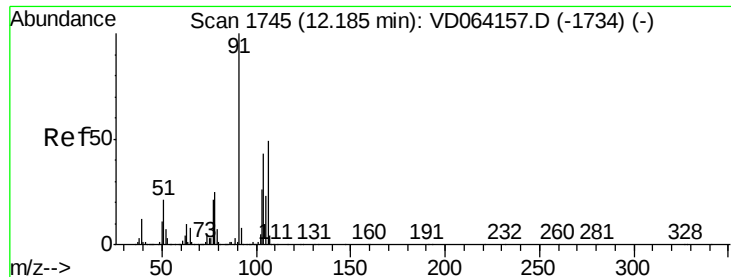
91 199.1 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





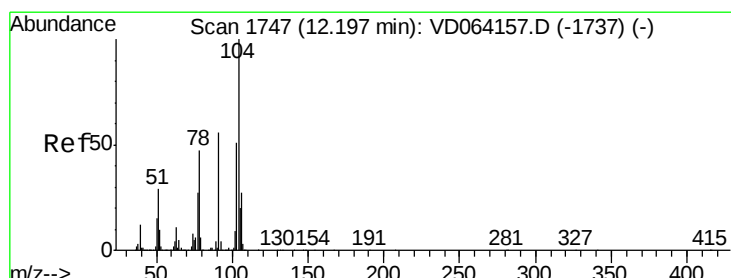
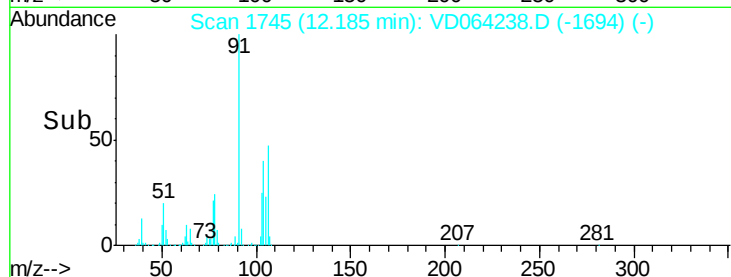
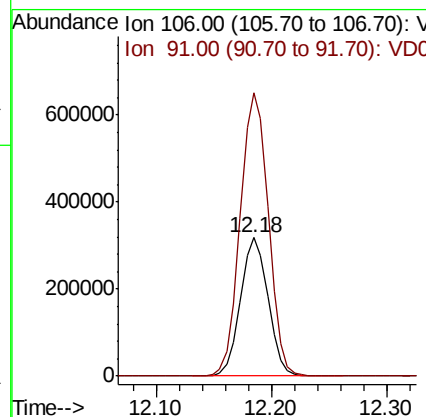
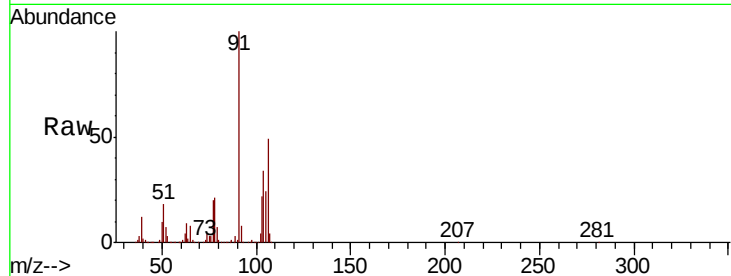
#69
o-Xylene
Concen: 52.576 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.5	105.1	315.3

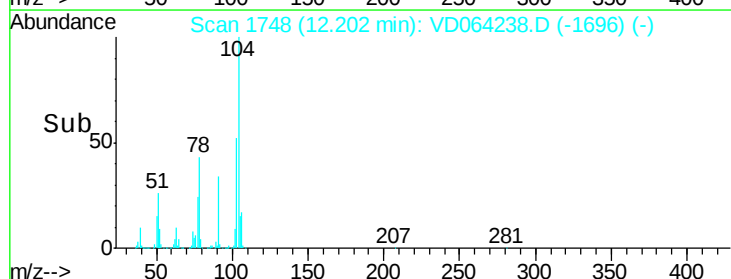
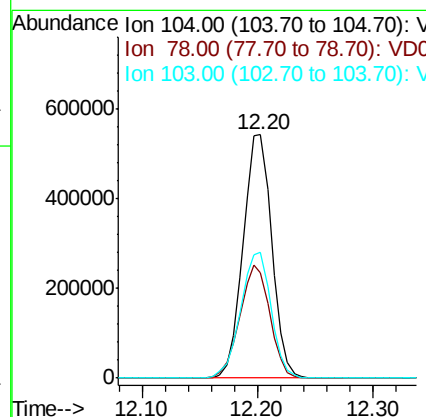
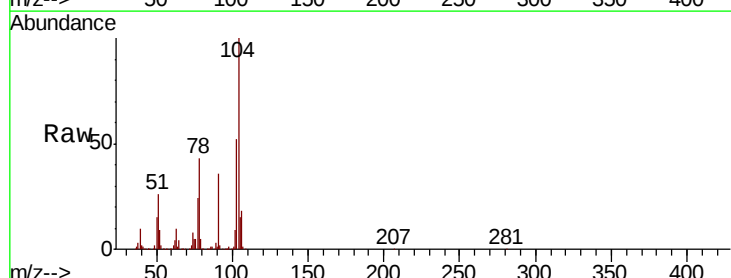
Manual Integrations
APPROVED

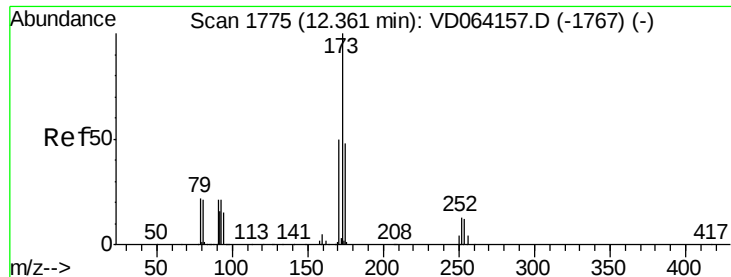
MMDADODA
11/19/2019 12:23:37 PM



#70
Styrene
Concen: 53.467 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.9	59.9
103	54.7	43.4	65.0





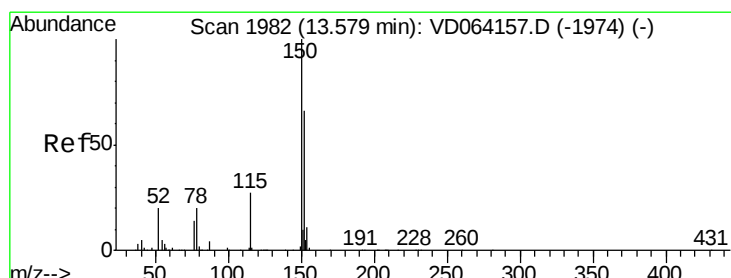
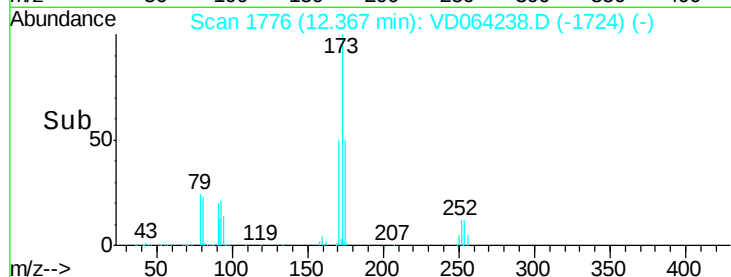
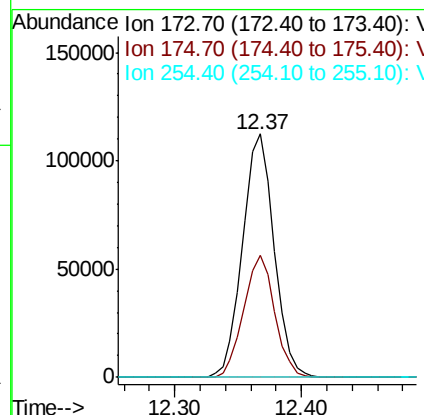
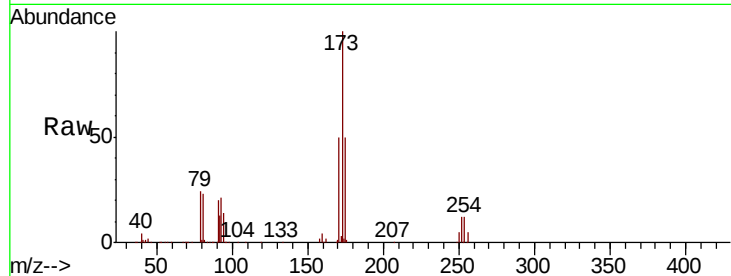
#71
Bromoform
Concen: 57.357 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.1	72.3
254	0.1	0.2	0.2

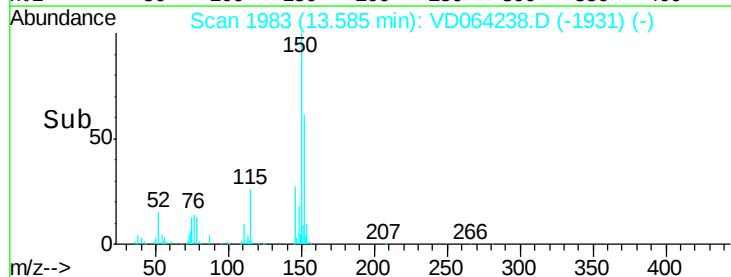
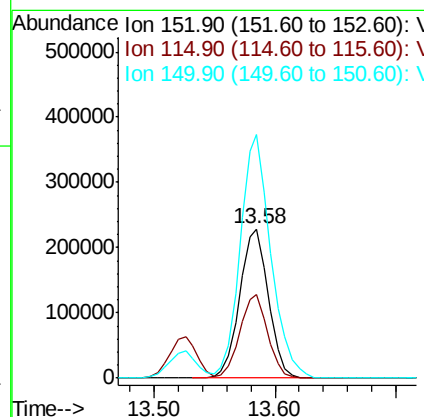
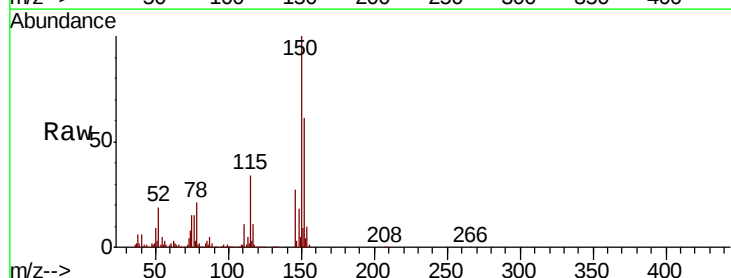
Manual Integrations
APPROVED

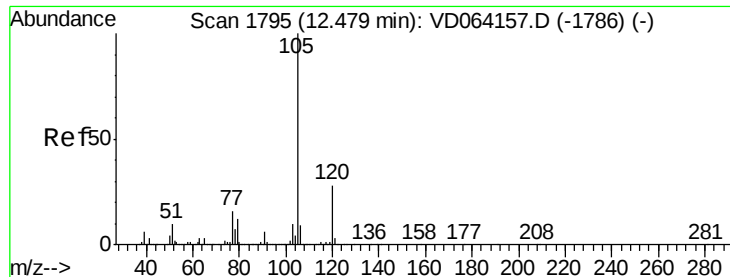
MMDADODA
11/19/2019 12:23:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.4	82.2
150	174.0	0.0	351.6





#73

Isopropylbenzene

Concen: 50.512 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1399887

Ion Ratio Lower Upper

105 100

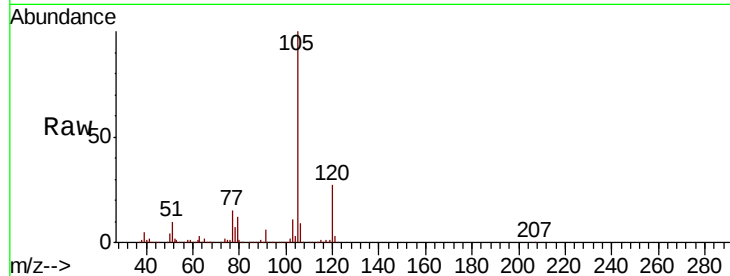
120 27.5 13.6 40.8

Manual Integrations

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11/19/2019 12:23:37 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

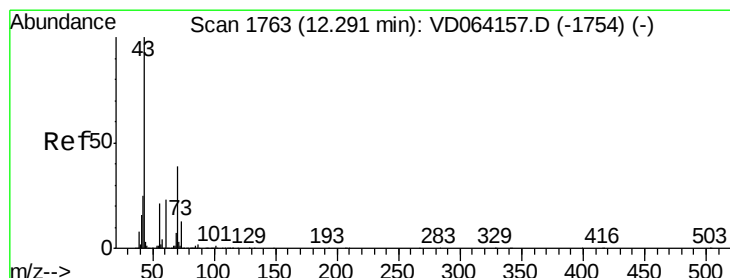
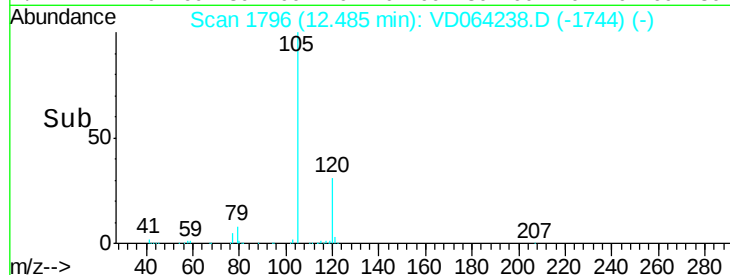
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.396 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion: 43 Resp: 342912

Ion Ratio Lower Upper

43 100

70 42.3 32.4 48.6

55 22.0 17.9 26.9

61 24.3 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

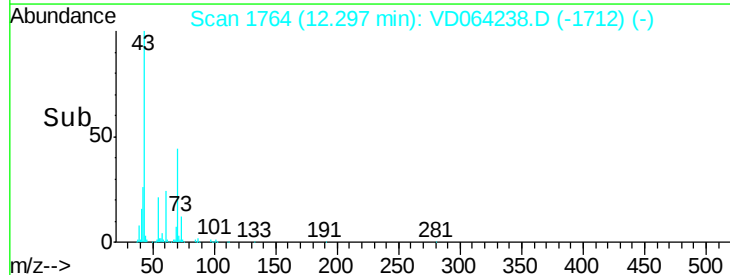
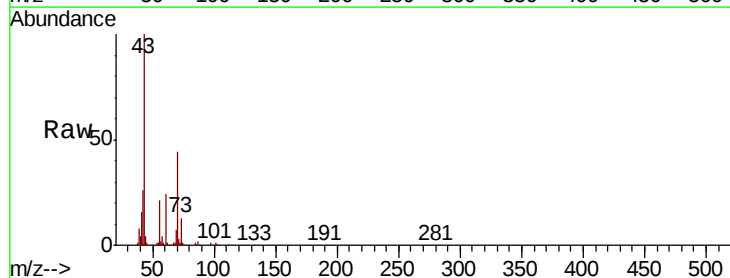
300000

200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.772 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

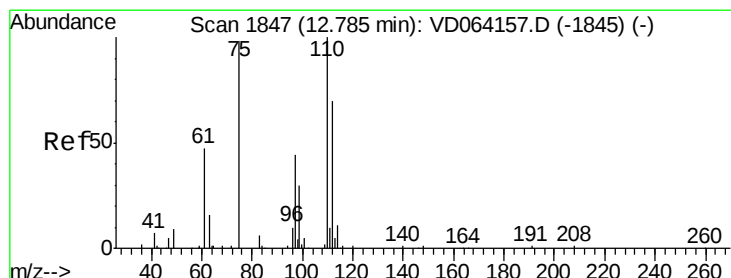
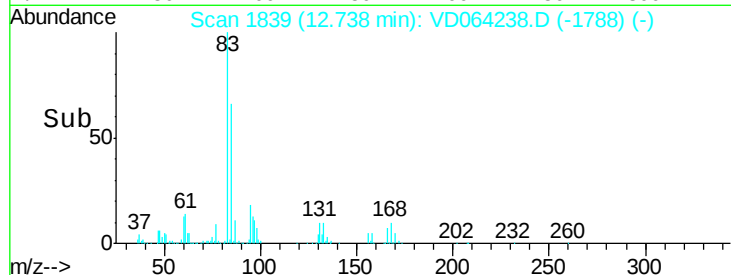
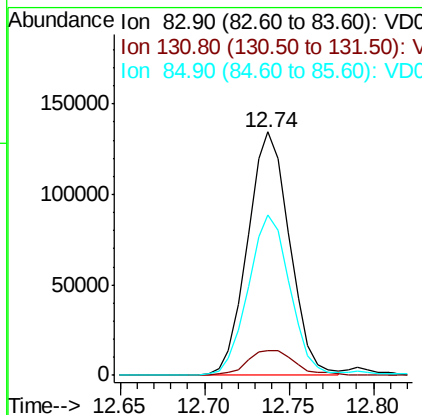
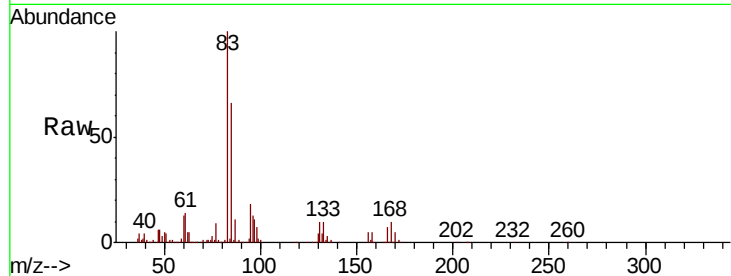
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	232906
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.9	17.7
85	65.3	32.5	97.5

Manual Integrations
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11/19/2019 12:23:37 PM



#76

1,2,3-Trichloropropane

Concen: 50.239 ug/l m

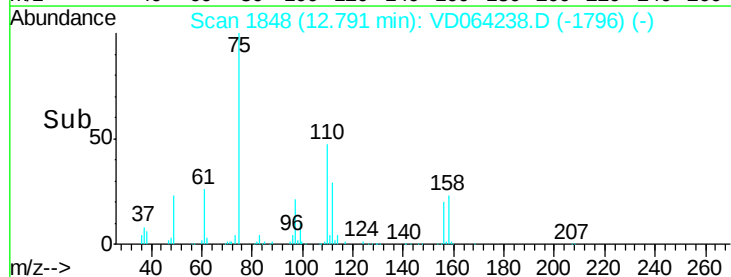
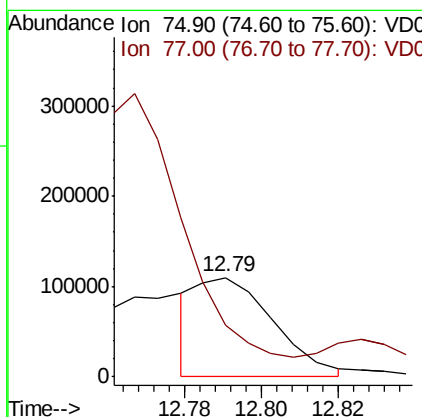
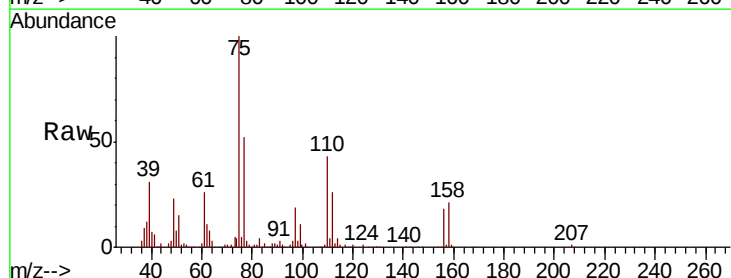
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	75	Resp:	152792
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.130 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

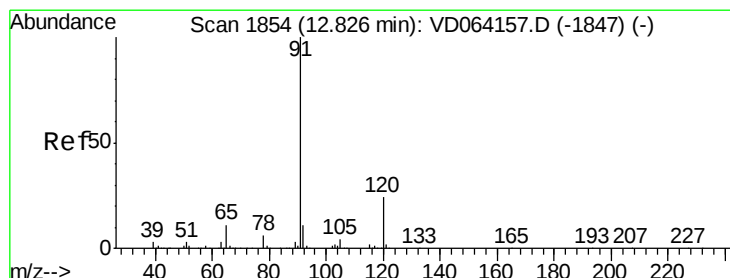
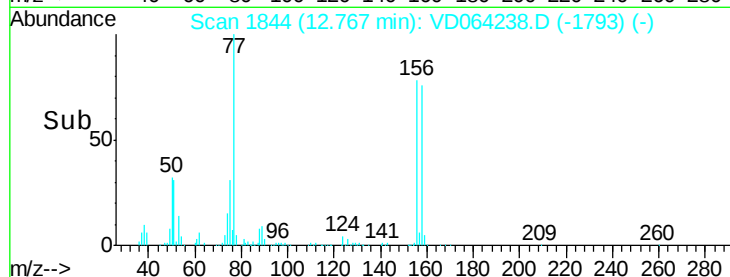
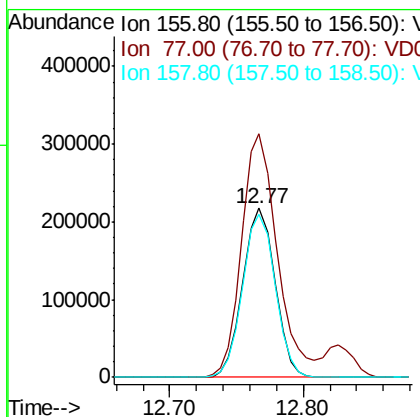
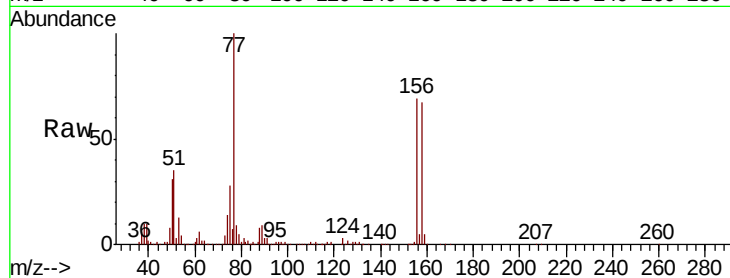
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	364458
Ion Ratio	Lower	Upper	
156	100		
77	159.3	81.2	243.4
158	97.4	48.4	145.2

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#78

n-propylbenzene

Concen: 50.529 ug/l

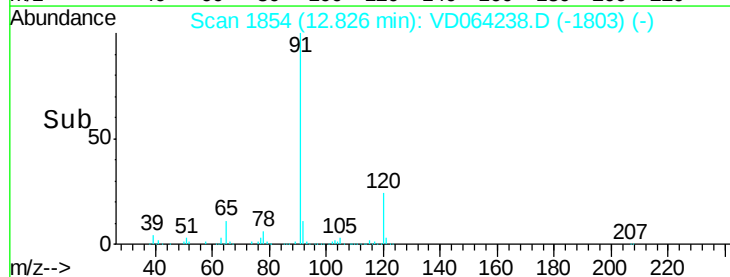
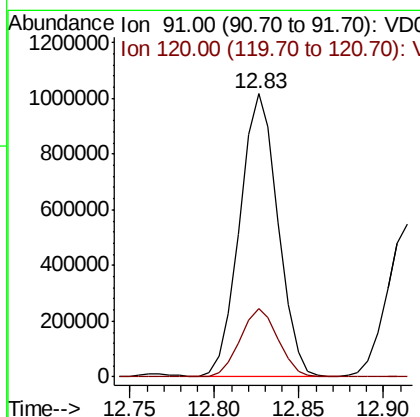
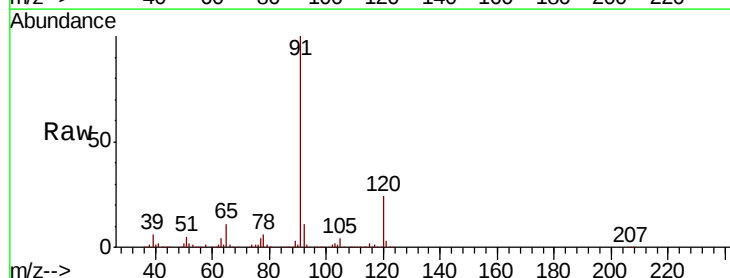
RT: 12.83 min Scan# 1854

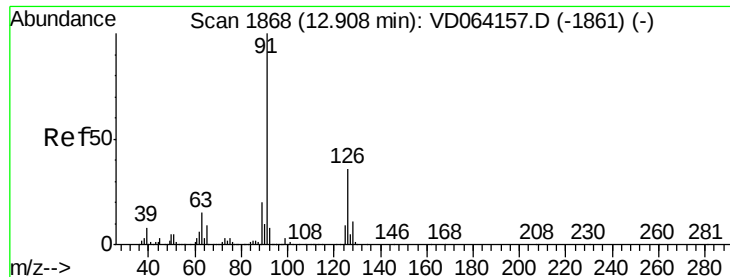
Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	91	Resp:	1599945
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





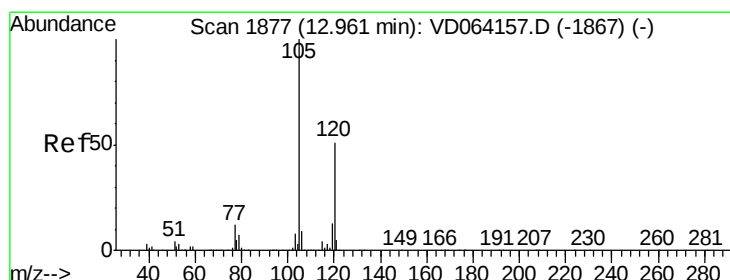
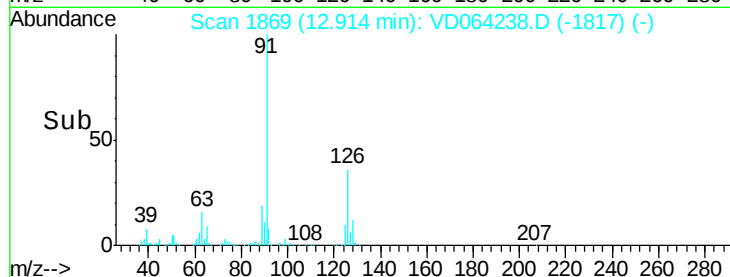
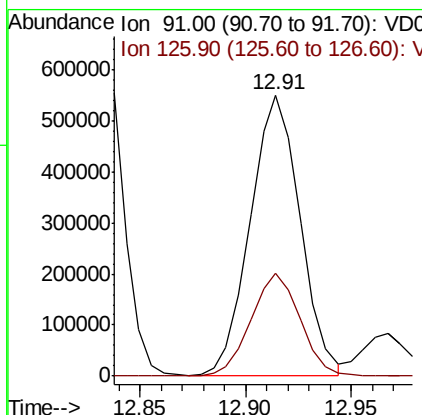
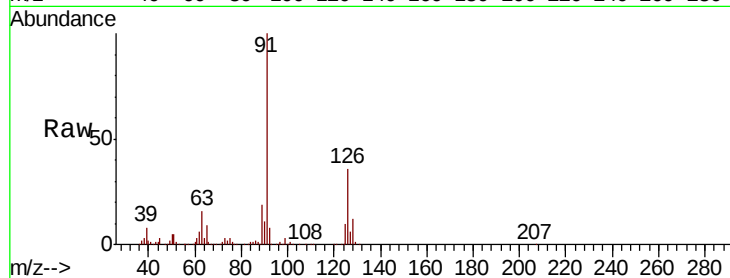
#79
2-Chlorotoluene
Concen: 50.427 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 901464
Ion Ratio Lower Upper
91 100
126 36.1 17.7 53.1

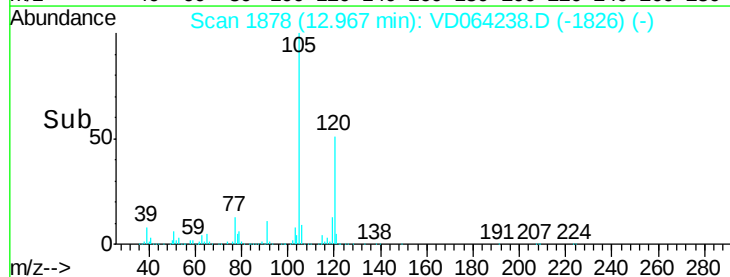
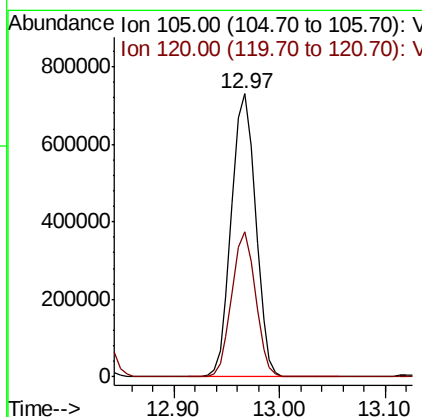
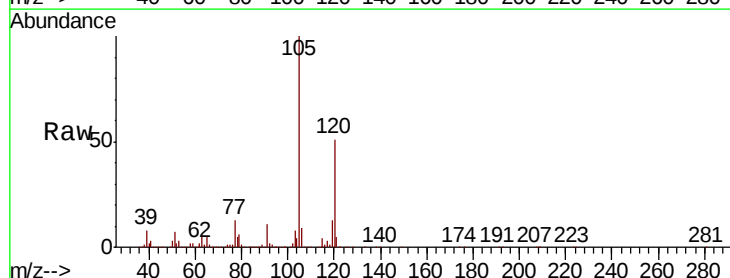
Manual Integrations
APPROVED

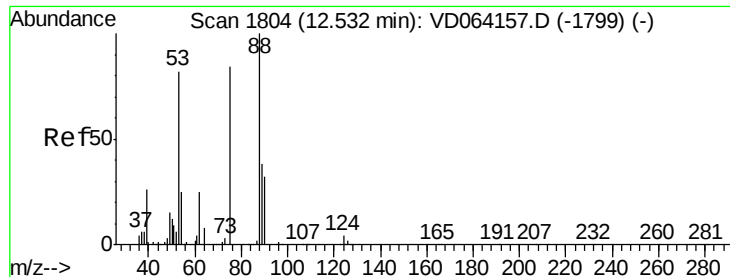
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#80
1,3,5-Trimethylbenzene
Concen: 50.898 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion: 105 Resp: 1159092
Ion Ratio Lower Upper
105 100
120 50.3 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.649 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

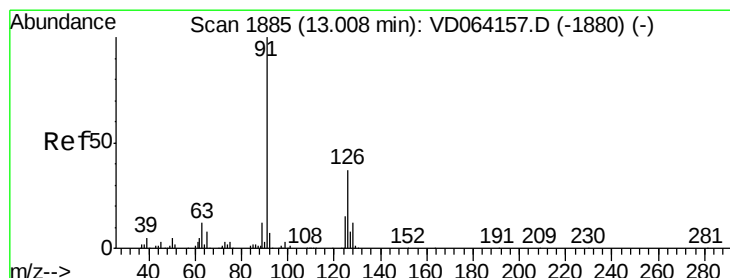
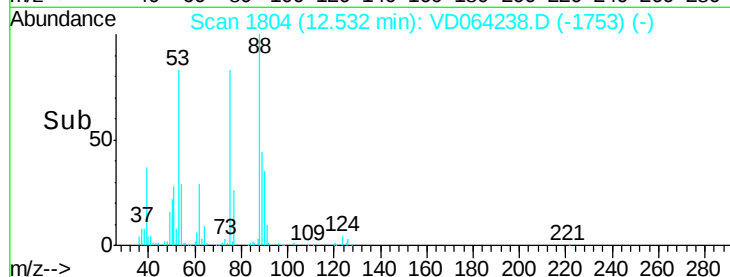
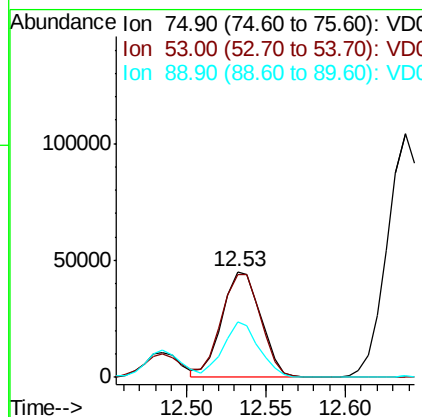
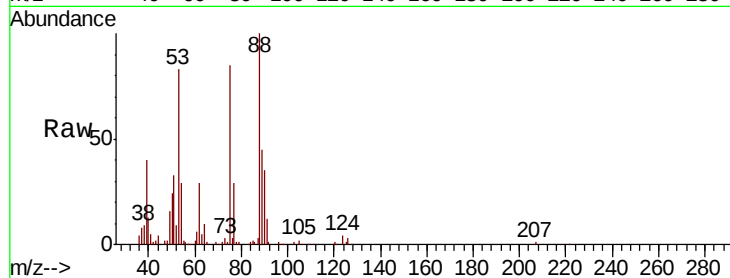
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	77547
Ion	Ratio	Lower	Upper
75	100		
53	99.2	79.4	119.0
89	47.4	36.6	55.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.041 ug/l

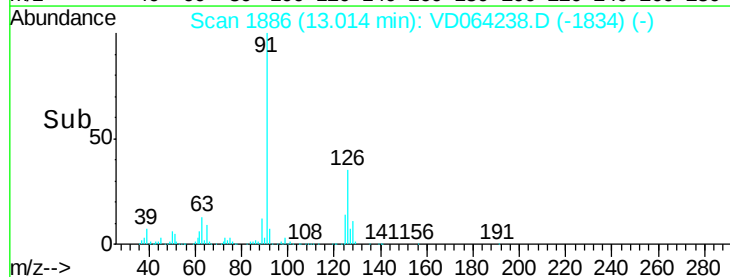
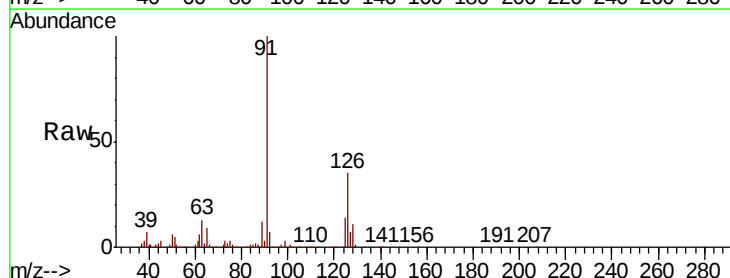
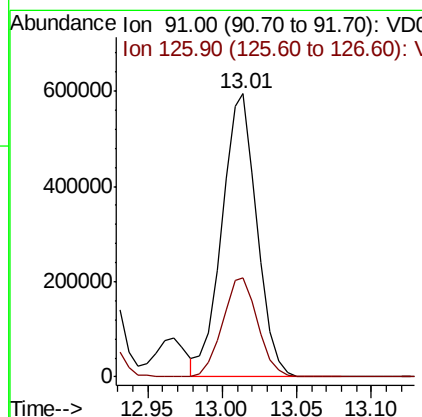
RT: 13.01 min Scan# 1886

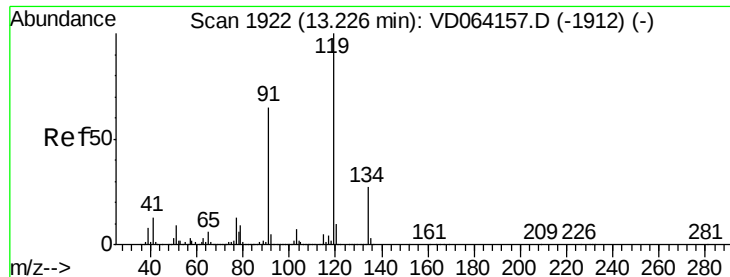
Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Tgt Ion:	91	Resp:	970344
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.4





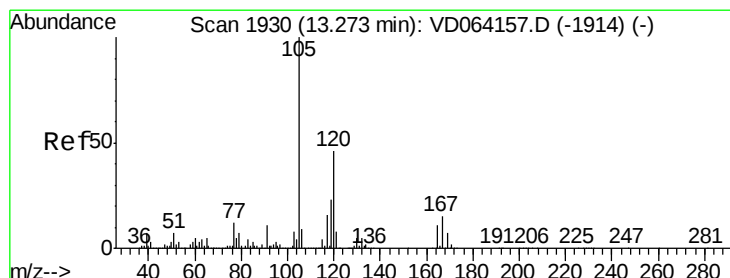
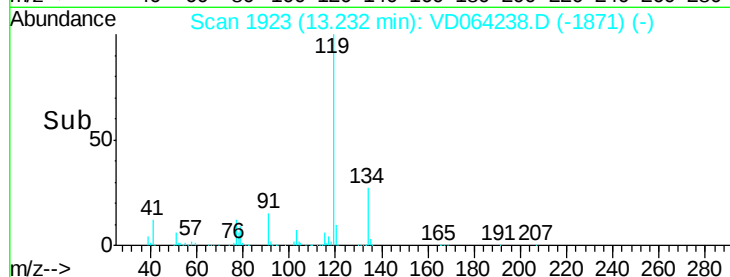
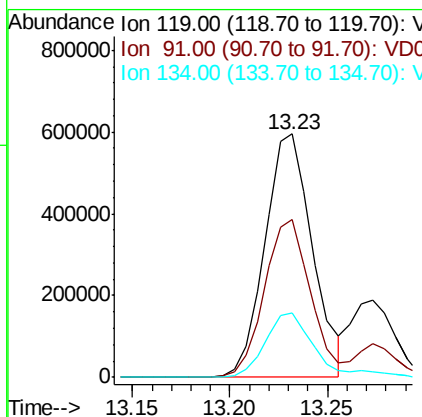
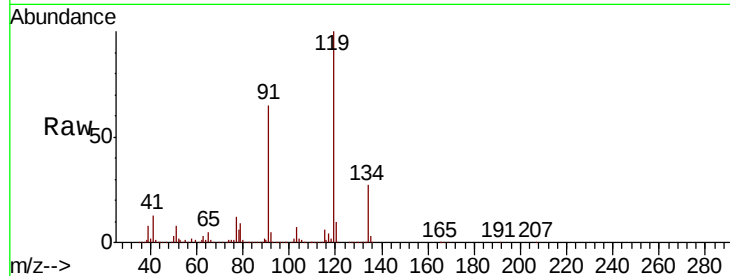
#83
tert-Butylbenzene
Concen: 50.077 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.8	95.4
134	27.8	13.7	41.0

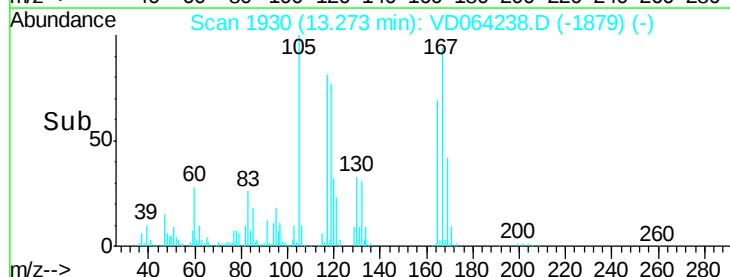
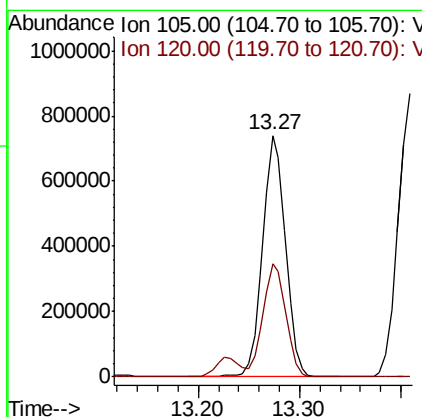
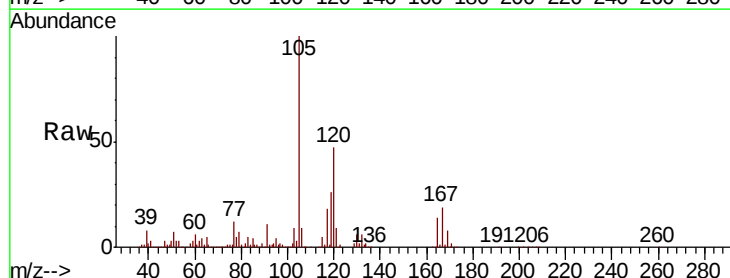
Manual Integrations
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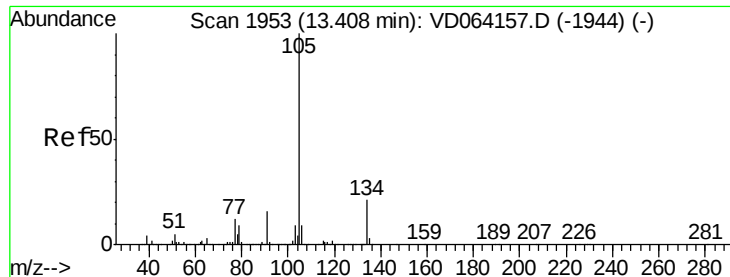
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#84
1,2,4-Trimethylbenzene
Concen: 51.486 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.592 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1337488

Ion Ratio Lower Upper

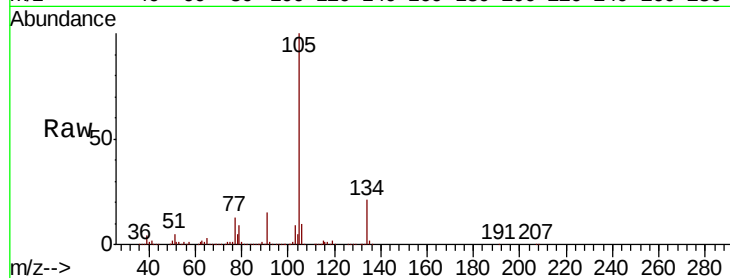
105 100

134 21.9 10.7 31.9

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

800000

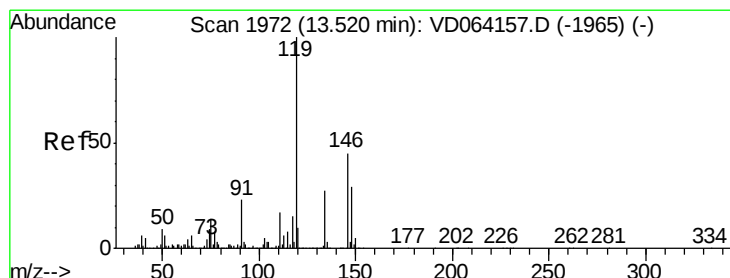
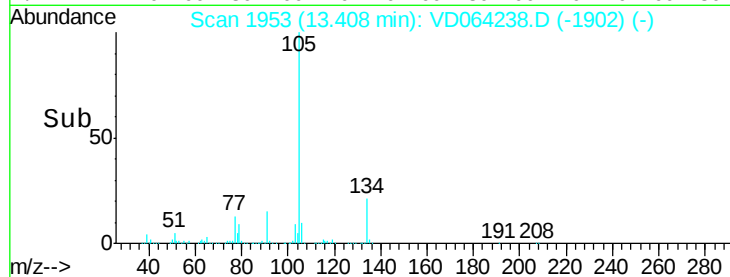
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.235 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064238.D

Acq: 15 Nov 2019 20:22

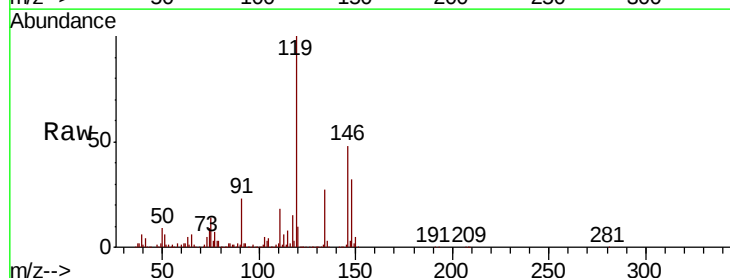
Tgt Ion:119 Resp: 1288035

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.5

91 23.0 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

800000

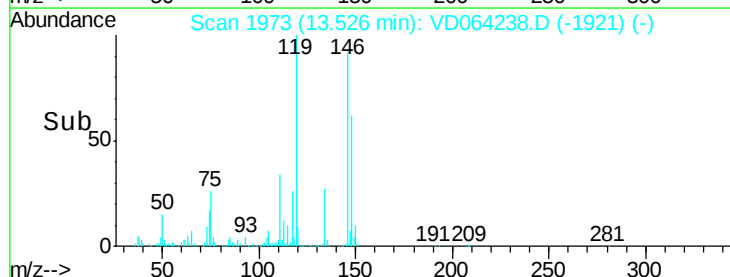
600000

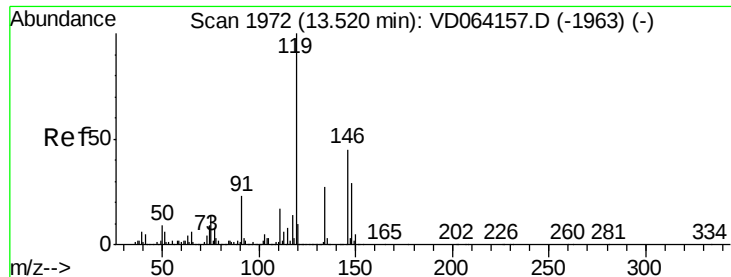
400000

200000

0

Time-->





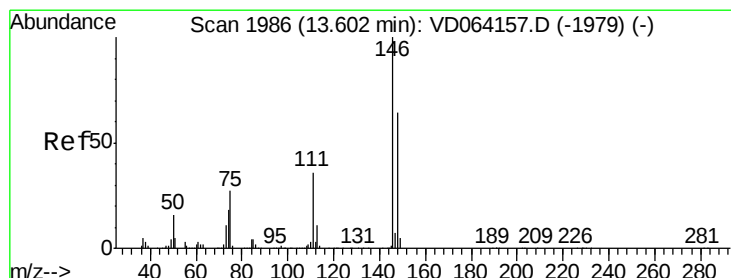
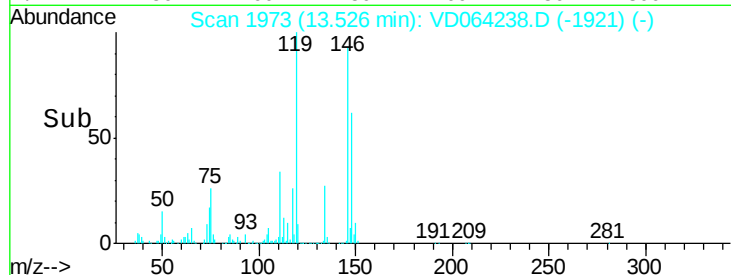
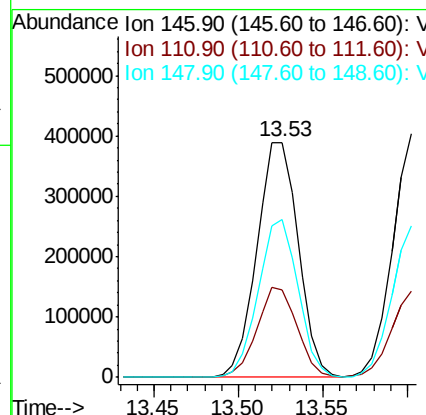
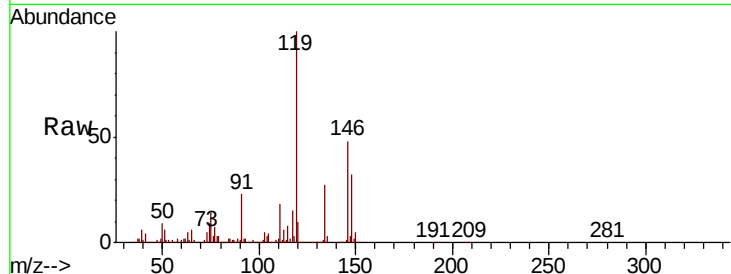
#87
 1,3-Dichlorobenzene
 Concen: 53.161 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.9	56.9
148	64.9	32.1	96.5

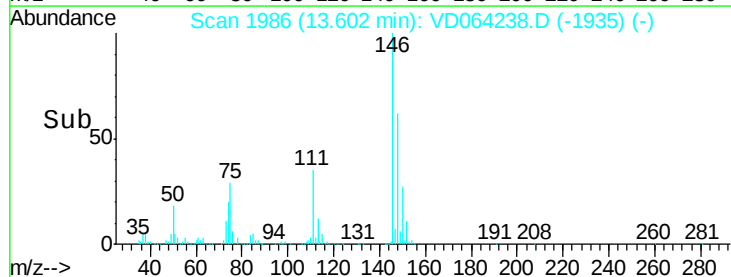
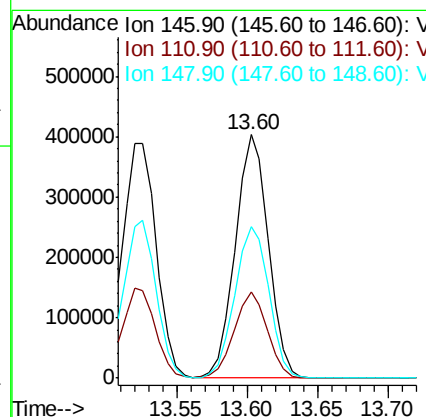
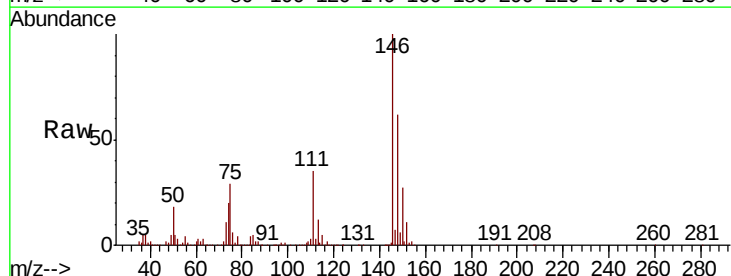
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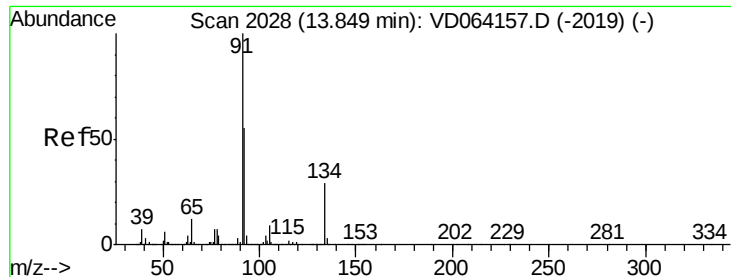
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#88
 1,4-Dichlorobenzene
 Concen: 53.975 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.4
148	64.1	31.9	95.7





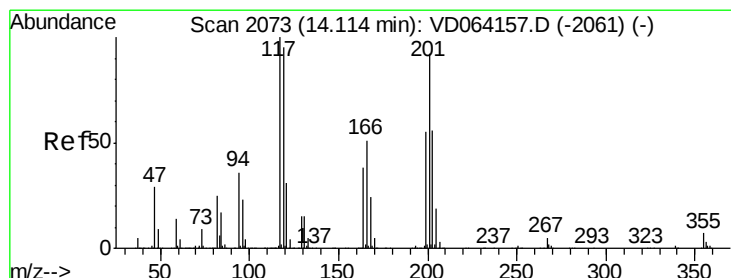
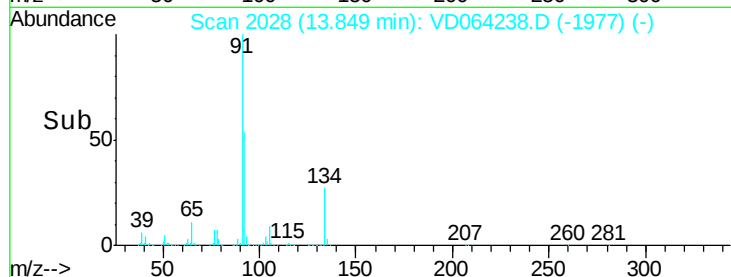
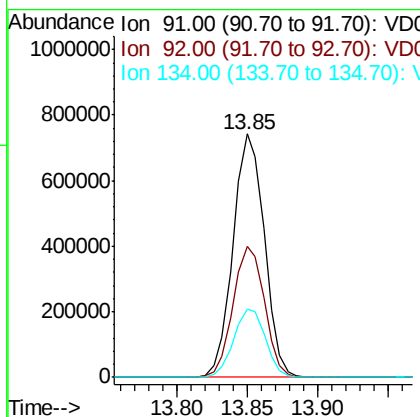
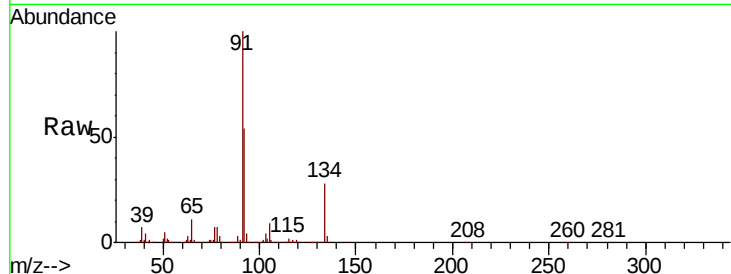
#89
n-Butylbenzene
Concen: 49.471 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.8
134	28.5	14.1	42.4

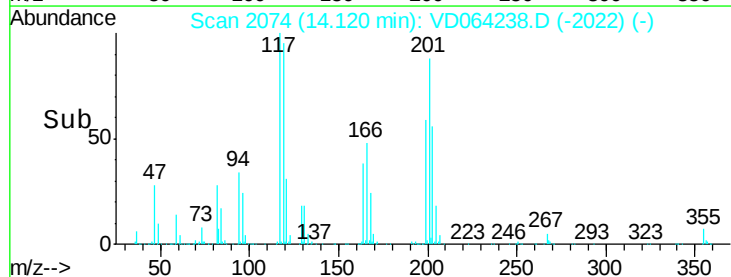
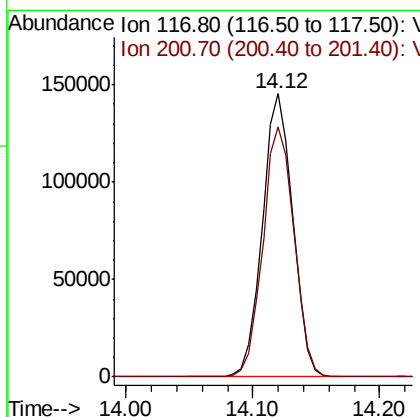
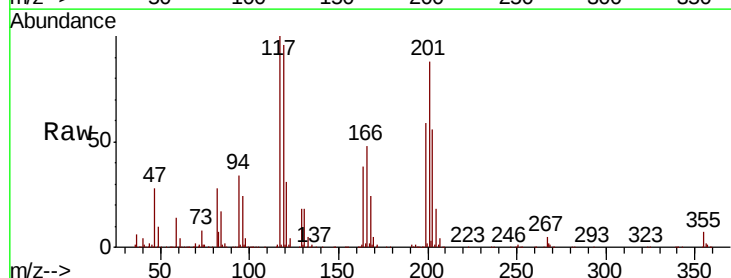
Manual Integrations
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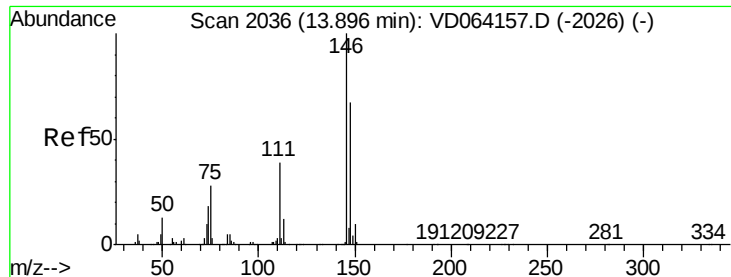
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#90
Hexachloroethane
Concen: 51.216 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.8	137.4





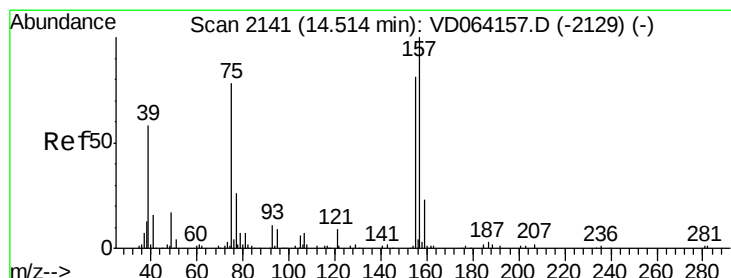
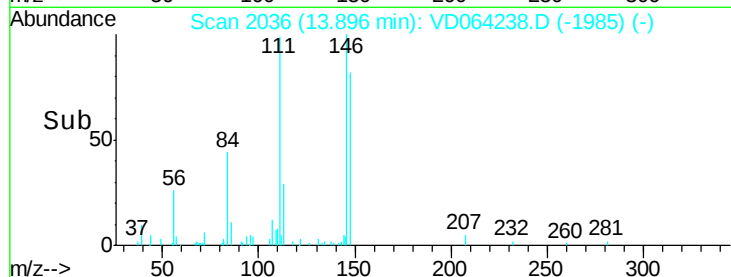
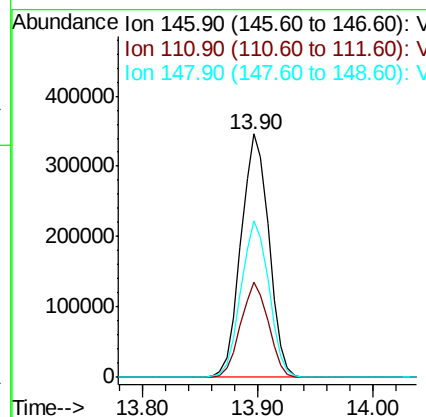
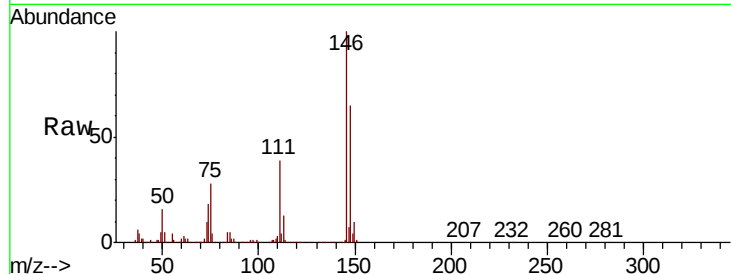
#91
 1,2-Dichlorobenzene
 Concen: 54.768 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.6	32.3	96.8

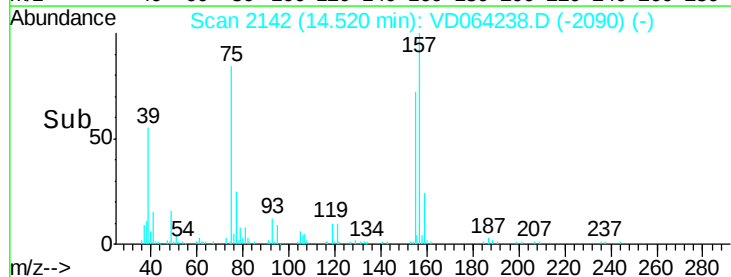
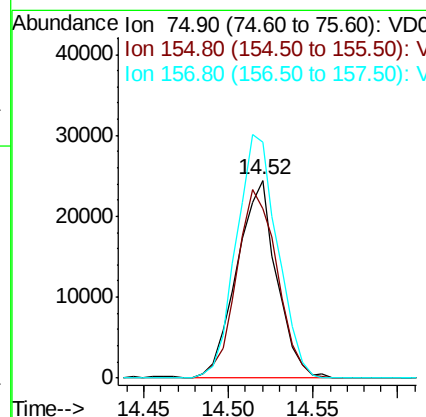
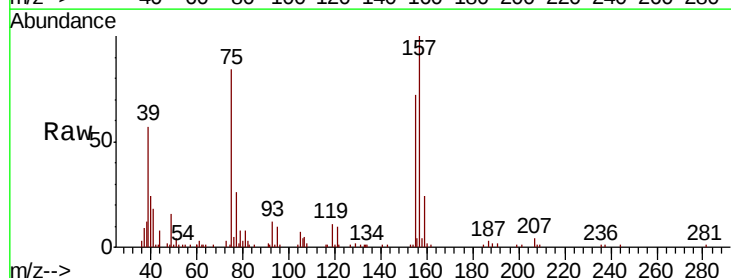
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.608 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.8	48.0	144.0
157	127.3	61.5	184.4





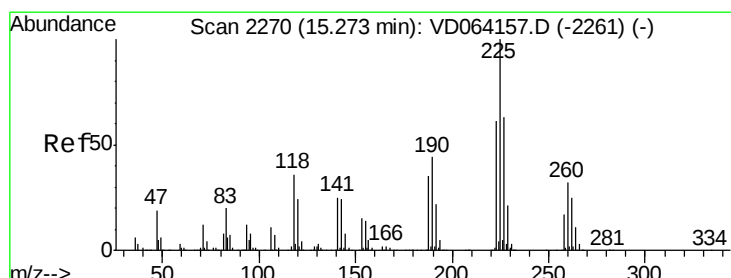
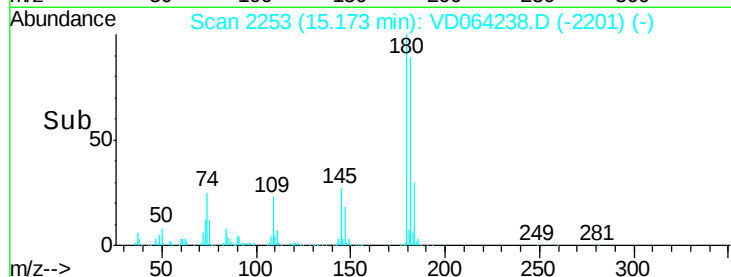
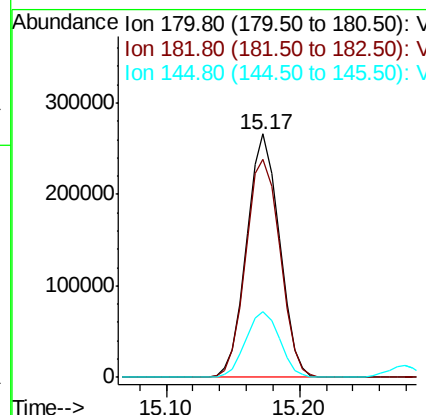
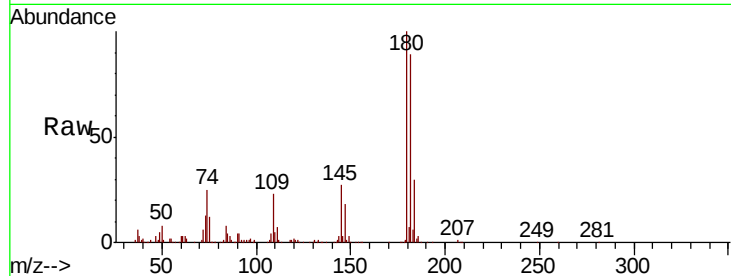
#93
 1,2,4-Trichlorobenzene
 Concen: 55.206 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	450510		
182	93.9		47.5	142.5
145	28.2		14.2	42.6

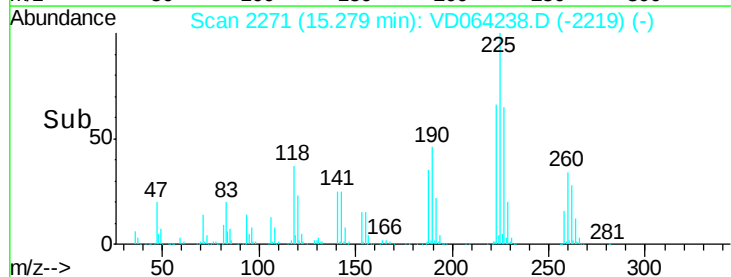
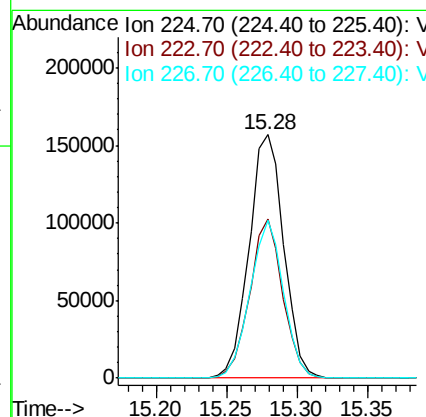
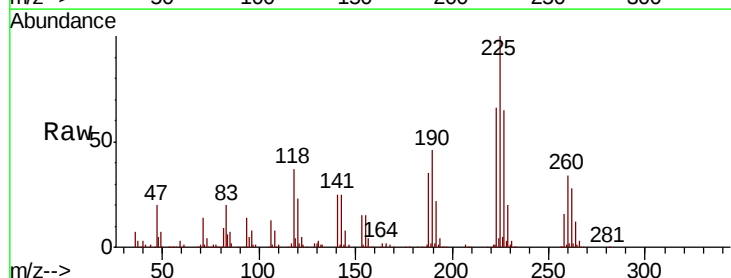
Manual Integrations
 APPROVED

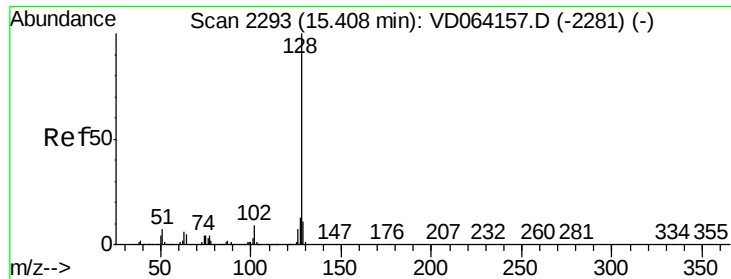
MMDADODA
 11/19/2019 12:23:37 PM



#94
 Hexachlorobutadiene
 Concen: 51.421 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064238.D
 Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	271036		
223	62.3		31.1	93.3
227	62.3		31.5	94.5





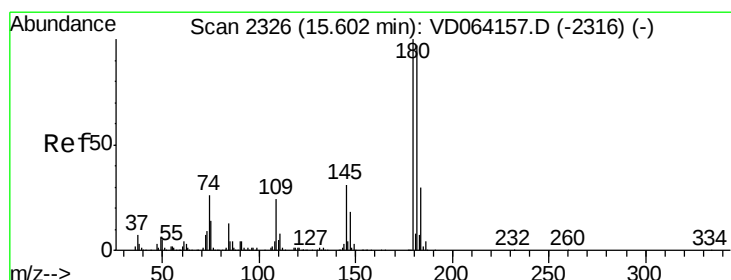
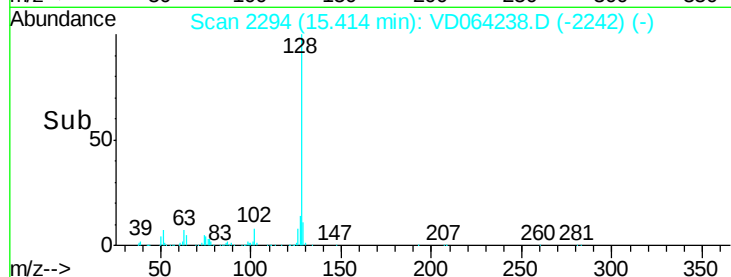
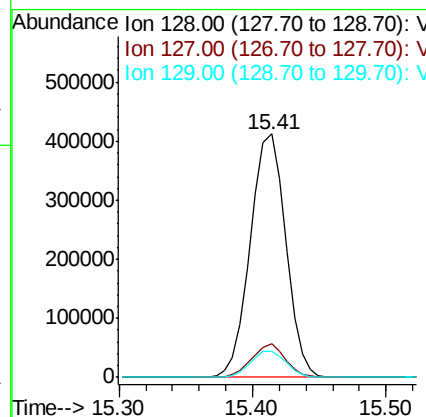
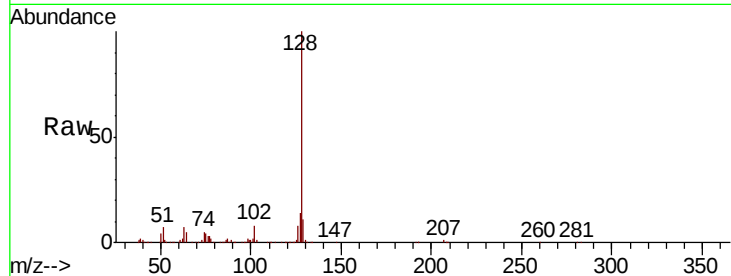
#95
Naphthalene
Concen: 56.557 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDADODA
11/19/2019 12:23:37 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.141 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064238.D
Acq: 15 Nov 2019 20:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.3	144.9
145	29.6	15.3	45.8

